

AD-A150 482 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
CAMP PENDLETON CALIFORNIA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC SEP 84

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
CAMP PENDLETON CALIFORNIA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC SEP 84

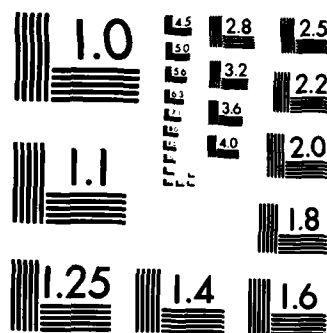
1/4

UNCLASSIFIED DETACHMENT ASHEVILLE NC SEP 84 F/G 4/2 NL

F/G 4/2

NL

A 10x10 grid of squares. The top-left square is white, while all other squares are black.



AD-A150 482

DTIC ACCESSION NUMBER

II

LEVEL

PHOTOGRAPH THIS SHEET

1

INVENTORY

SMOS' Camp Pendleton, Ca.

DOCUMENT IDENTIFICATION

Sep 1984

DISTRIBUTION STATEMENT A

Approved for public release
Distribution Unlimited

DISTRIBUTION STATEMENT

ACCESSION FOR

NTIS GRA&I ☒

DTIC TAB ☐

UNANNOUNCED ☐

JUSTIFICATION

BY

DISTRIBUTION /

AVAILABILITY CODES

DIST

AVAIL AND/OR SPECIAL

A-1

DISTRIBUTION STAMP

DTIC
ELECT
FEB 14 1985
S D

DATE ACCESSIONED

DATE RETURNED

85 02 12 129

DATE RECEIVED IN DTIC

REGISTERED OR CERTIFIED NO.

PHOTOGRAPH THIS SHEET AND RETURN TO DTIC-DDAC

AD A150 482

SMOS

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

AD-A150 482

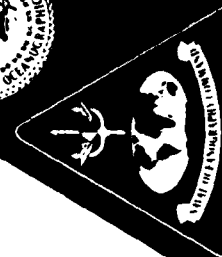
STATION: #03154 Camp Pendleton, CA

PERIOD: HOURLY 7/66-12/75
DAILY 1/67-9/73

JOB NO. 72006 DATE September 1984

PREPARED BY
NAVAL OCEANOGRAPHY
COMMAND DETACHMENT,
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

PREPARED FOR
COMMANDER,
NAVAL OCEANOGRAPHY
COMMAND
NSTL MS 39529



UNCLASSIFIED

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) Camp Pendleton, CA		5. TYPE OF REPORT & PERIOD COVERED Reference Report 1973-1982
7. AUTHOR(s) NA		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Oceanography Command Detachment Federal Building Asheville, NC 28801		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS Commanding Officer Naval Oceanography Command Facility NSTL, MS 39529-5002		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE September 1984
		13. NUMBER OF PAGES 358
		15. SECURITY CLASS. (of this report) Unclassified
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

DD FORM 1473
1 JAN 73EDITION OF 1 NOV 65 IS OBSOLETE
S/N 0102-LF-014-6601

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

STATION NO OR SUMMARY		STATION NAME		LATITUDE		LONGITUDE		STATION ELEV (FT)		CALL SIGN		WHO'S USER	
03154		Camp Pendleton, California		33°18'N		117°21'W		63		KPCS			

STATION LOCATION AND INSTRUMENTATION HISTORY											
NUMBER OF BARO LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY		
			FROM	TO			FEET	TYPE BAROMETER			
-	None	MCB							Var		
1.	Weather service office (First deck of Airfield Ops Bldg)	MCALF	1968	1969	33°18'N	117°21'W	66	Fortin	"		
2.	Weather office (moved within office)	"	1969		"	"	81	"	"		

SURFACE WIND EQUIPMENT INFORMATION					REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
NUMBER OF LOCATION	DATE OF CHANGE	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	
1.	1962	On roof above Weather Office	AN/UMQ 5	RD-108	* Observation site moved to MCALF Camp Pendleton 1 March 68.
1a.	1968	Atop control tower	"	"	1. Barometer (Aneroid) 2. Barograph (Marine) 3. Hygrothermograph
1b.	1969	Adjacent Rwy 03-21 approx. 700' North Hangar 2360	"	"	

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category or the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

STATION NAME: STATION NAME YEARS: 1960 MONTH: JAN

NO CONTACT PREVIOUS TO 0000 HRS ON 01 JAN 60
CONTINUED FROM MONTH OBSERVATION

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		0.0				0.0	0.0				0.0	0.0
	02		0.0				0.0	0.0				0.0	0.0
	03		0.0				0.0	0.0				0.0	0.0
	04		0.0				0.0	0.0				0.0	0.0
	05		0.0				0.0	0.0				0.0	0.0
	06		0.0				0.0	0.0				0.0	0.0
	07		0.0				0.0	0.0				0.0	0.0
	08		0.0				0.0	0.0				0.0	0.0
	09		0.0				0.0	0.0				0.0	0.0
	10		0.0				0.0	0.0				0.0	0.0
	11		0.0				0.0	0.0				0.0	0.0
	12		0.0				0.0	0.0				0.0	0.0
	13		0.0				0.0	0.0				0.0	0.0
	14		0.0				0.0	0.0				0.0	0.0
	15		0.0				0.0	0.0				0.0	0.0
	16		0.0				0.0	0.0				0.0	0.0
	17		0.0				0.0	0.0				0.0	0.0
	18		0.0				0.0	0.0				0.0	0.0
	19		0.0				0.0	0.0				0.0	0.0
	20		0.0				0.0	0.0				0.0	0.0
	21		0.0				0.0	0.0				0.0	0.0
	22		0.0				0.0	0.0				0.0	0.0
	23		0.0				0.0	0.0				0.0	0.0
	24		0.0				0.0	0.0				0.0	0.0
	25		0.0				0.0	0.0				0.0	0.0
	26		0.0				0.0	0.0				0.0	0.0
	27		0.0				0.0	0.0				0.0	0.0
	28		0.0				0.0	0.0				0.0	0.0
	29		0.0				0.0	0.0				0.0	0.0
	30		0.0				0.0	0.0				0.0	0.0
TOTALS			0.0				0.0	0.0				0.0	0.0

WEATHER CONDITIONS

STATION NAME: STATION 1000 YEARS: 1970 MONTH: 10

STATION NO. 1000 DATE 10/1/70 TIME 1200 OBSERVER 1000

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	01		1.0				1.0	10.1				10.1	41
	02		1.0				1.0	7.0				7.0	41
	03		1.0				1.0	2.0	1.1			2.0	147
	04		4.0				4.0	10.1	12.0			22.7	147
	05		7.0				7.0	7.0	17.0			23.0	147
	06		5.0				5.0	7.0	16.0			16.0	147
	07		1.0				1.0	10.1	5.0			15.1	147
	08		7.0				7.0	17.0				27.0	147
	09												
	10												
	11												
	12												
TOTALS			7.7				7.7	17.7	2.1			27.6	647

WEATHER CONDITIONS

STATION NAME _____ YEARS _____ MONTH _____

NO. OF DAYS IN MONTH OF OBS. OF WEATHER
 (COUNT FROM FIRST DAY OF MONTH TO LAST DAY)

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
1			5.2				5.2	1.4				10.6	17
2			5.6				5.6	2.1				7.7	14
3			5.1				5.1	3.3	1.4			11.1	16
4	10		5.2				5.2	11.1	17.1			27.2	21
5	17		3.2				3.2	4.7	10.0			17.9	21
6	1		1.0				1.0	3.3	11.0			15.3	21
7	4		1.1				1.1	1.1	1.1			3.3	10
8	10		1.4				1.4	5.0				6.4	10
TOTALS			1.1				1.1	1.4	1.1			1.1	10

WEATHER CONDITIONS

STATION NAME: STATION 1000 YEARS: 1950-1951 MONTH: 1951

STATION 1000
STATION 1000
STATION 1000

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
1950	10		2.4				1.0	10.4	5.4			12.4	37
1951	10							17.0	2.0			13.0	1
1952	10		1.0				1.0	10.0	7.0			12.0	11
1953	10	0.5	2.0				1.0	2.0	1.0			11.0	27
1954	10		1.0				1.0	0.0	1.0			6.0	27
1955	10		2.0				1.0	1.0	4.0			1.4	27
1956	10		1.0				1.0	12.0	1.0			14.5	67
1957	10		3.0				1.0	15.7				15.7	27
1958	10												
1959	10												
1960	10												
1961	10												
1962	10												
TOTALS		0.5	2.4				2.4	10.0	4.0			13.7	127

WEATHER CONDITIONS

STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	1		1.2				1.2	4.2	25.0			44.5	31
	2		1.1				1.1	11.6	25.0			44.5	31
	3		6.6				6.6	42.3	17.6			63.3	142
	4		2.4				2.4	15.5	29.7			47.3	20
	5		0.0				0.0	2.0	24.2			26.1	27
	6		1.1				1.1	1.1	29.0			31.4	17
	7							0.0	14.7			22.4	6
	8							4.2	53.0			76.0	12
TOTALS			2.7				2.7	21.0	26.5			47.5	679

WEATHER CONDITIONS

STATION NAME _____ YEAR _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	1		4.7				4.7	6.6				5.6	27
	2		7.7				7.7	6.2	3.0			77.1	29
	3		0.				0.	40.1	24.7			42.6	102
	4		2.0				2.0	0.	30.0			70.7	100
	5		0.				0.	7.0	29.0			00.0	217
	6		1.0				1.0	3.6	20.0			70.0	210
	7		7.0				7.0	1.0	29.0			70.0	100
	8							0.0				00.0	0
	9												
	10												
	11												
	12												
TOTALS			3.				3.0	73.0	17.7			40.7	617

WEATHER CONDITIONS

STATION NAME _____ STATION _____ MONTH _____

STATION _____ MONTH _____

THE FOLLOWING INFORMATION IS FOR THE USE OF WEATHER
CONDITIONS AND WEATHER OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	1							7.0	17.0			70.0	20
	2							7.0	18.3			70.0	24
	3		2.0				2.0	14.0	11.0			60.0	210
	4		2.0				2.0	10.0	10.0			72.0	220
	5		2.0				2.0	10.0	14.4			16.0	230
	6		2.0				2.0	10.0	15.0			15.0	100
	7							1.0	22.0			20.0	70
	8							4.0	11.0			72.0	20
TOTALS			2.0				2.0	20.0	21.0			47.0	1010

WEATHER CONDITIONS

5-7

STATION NAME MONTH YEARS

NO. OF DAYS PRECIPITATION OCCURRED, NO. OF DAYS
CONDITIONS THAT HOUSING OCCURRED

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
1-7	1							75.0	15.7			80.3	2
	1							65.0	16.0			73.1	1
	1		1.0				1.7	41.3	73.1			64.3	23
	1							1.0	72.0			31.0	20
	1							0	72.0			22.4	25
	1							1.1	17.7			13.7	137
	1							0	21.3			70.7	7
	1							21.0	76.4			86.4	12
TOTALS			0				0	71.3	21.0			70.5	1000

WEATHER CONDITIONS

STATION NAME: _____ STATION: _____ YEARS: _____ MONTH: _____

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
1	24							71.5	21.0			51.9	54
2	24		3.0				7.0	44.4	21.0			60.7	64
3	24		5.0				3.0	40.0	19.0			65.0	71
4	24							7.0	24.0			20.0	273
5	24							1.0	22.3			14.0	220
6	24							1.0	24.0			27.7	177
7	24							13.0	25.7			30.5	74
8	24							2.0	26.4			41.5	117
9	24												
10	24												
11	24												
12	24												
TOTALS			9.0				0.0	71.3	24.4			41.0	1086

1.

MONTH

THE UNIVERSITY OF CHICAGO

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
Jan	1							2.7	18.2			22.6	27
Feb	1							4.1	14.3			31.7	22
Mar	1		2.0				2.0	2.2	17.2			4.7	20
Apr	1	.4	.6				.	.	23.7			26.2	20
May	1		.4				.	3.1	27.2			22.7	263
Jun	1		1.0				1.0	4.7	22.0			27.3	157
Jul	1							1.0	7.0			43.7	10
Aug	2		1.0				1.3	21.2	12.0			45.5	77
TOTALS		.1	.6				.	20	20.0			27.3	171

YEARS

MONTH

[illegible]

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO. OF OBS.
1	1							74.0	0.1			74.7	40
2	1						10.0	74.0				74.0	40
3	1		1.0				10.0	77.0	10.0			77.0	100
4	10	0.5	3.0				70.0	70.0	10.0			70.0	210
5	1		0.4				70.0	0.0	10.0			71.2	0
6	1		1.0				10.0	0.0	10.0			10.0	20
7	1		3.0				70.0	10.0	0.0			70.0	0
8	0							70.0	0.1			70.0	40
9													
10													
11													
12													
TOTALS		0.1	2.7				70.0	0.0	10.0			70.0	090

[illegible]

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
			0.1				1.1	31.2	2.1			11.2	43
			4.0				4.2	0.0				22.0	43
			3.0		.7		4.6	22.2	.0			26.2	107
			3.7		.5		5.2	14.4	1.0			16.0	21
			3.4				6.4	6.0	12.0			16.3	37
			3.0		.7		3.9	10.4	17.3			11.2	202
			3.2				3.0	10.4	1.1			24.5	63
								2.0	2.2			27.6	43
TOTALS			2.0		.1		3.1	1.2	1.0			23.5	79

WEATHER CONDITIONS

STATION NAME _____ YEARS _____ MONTH _____

STATION: FIDUCIAL OF 200 METER OF STATION
 1000 FT. SNOW GLOBE OBSERVATION

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
1	ALL		12.0				1.0	23.7	8.1			30.7	1010
2			1.7				1.7	14.3	7.1			21.6	640
3			2.1				2.1	18.6	6.6			18.3	896
4	.1		2.4				2.4	14.3	4.7			21.3	124
5			3.7				3.7	26.0	25.5			40.3	93
6			3.0				3.0	70.0	18.7			40.7	917
7			.				.0	2.7	11.0			47.3	1113
8			.				.0	31.7	29.0			42.5	110
9			.				.0	11.7	24.4			41.0	1137
10	.1		.				.0	21.0	21.0			20.9	1210
11	.1		2.0				2.0	20.0	10.0			20.5	89
12			7.0		.0		3.1	11.2	1.0			23.5	170
TOTALS		.1	7.0		.0		3.7	22.7	10.4			25.4	12076

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

JUST 196-7 C.F. 1075

MONTH

HOURS (L.S.Y.)

WIND DIRECTION	WIND SPEED	WIND GUSTS	FREEZING RAIN	FREEZING DRIZZLE	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1	4.0				2.7	3.7	11.1			77.8
NNE	2	4.0				1.0	0.0	4.0			0
NE	1	1.7		1.6		14.5	0.7	4.0			67.7
NNE	1	2.3				0.3	4.5	9.1			79.1
E	1	6.0		2.4		1.0	14.3	7.1			54.0
ENE	1					0.3	10.2	10.2			27.3
SE	1							11.4			01.7
SSE	1					1.0	20.0	5.0			5.0
S	1	1.3		1.3		2.4	2.6	9.1			50.7
SSW	1	1.7		1.4		16.7	1.7	13.6			64.4
SW	1	1.7		1.7				10.0			01.0
SSW	1	1.7		2.6		3.0	3.9	16.9			70.7
W	1	1.2		1.2		1.2	4.0	18.1			75.0
WSW	1					0.0	5.6	22.2			72.2
W	1							10.0			70.0
WNW	1					1.0					65.7
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1										
W	1										
WSW	1								</		

TOTAL NUMBER OF OBSERVATIONS

10

NAVY & SERVICEMAN

[illegible]

PEARL

MONYH

MO:RS 1-2-7-1

[illegible]

TOTAL NUMBER OF OBSERVATIONS

3

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: WILLIAMSBURG, VA YEARS: 1966-67 MONTH: APR HOURS (L.S.T.): 0000-2300

WIND DIRECTION	RAIN SHOWERS	NOZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
ALL								1.0		1.0			0.0
0-35								0.0		12.0			0.0
36-45								1.0		0.1			0.0
46-55	0.7							13.0	16.7	0.3			0.0
56-65	0.0	0.3						0.0		0.0			0.0
66-75								0.0		0.0			0.0
76-85	0.0	0.0						11.1	11.1	33.3			0.0
86-95	0.0	0.0						1.0	3.4	34.5			0.0
96-105	0.0	0.0						0.0		0.0			0.0
106-115	0.0	0.0						0.0	1.2	23.2			0.0
116-125	0.0	0.0						0.0		21.6			0.0
126-135	0.0	0.0						0.0	1.7	24.3			0.0
136-145	1.1							0.7	1.1	2.3			0.0
146-155	0.0							0.0		1.7			0.0
156-165	0.0							0.0		0.0			0.0
166-175	0.0							0.0	0.0	0.0			0.0
176-185	0.0							0.0	0.0	0.0			0.0
186-195	0.0							0.0	0.0	0.0			0.0
196-205	0.0							0.0	0.0	0.0			0.0
206-215	0.0							0.0	0.0	0.0			0.0
216-225	0.0							0.0	0.0	0.0			0.0
226-235	0.0							0.0	0.0	0.0			0.0
236-245	0.0							0.0	0.0	0.0			0.0
246-255	0.0							0.0	0.0	0.0			0.0
256-265	0.0							0.0	0.0	0.0			0.0
266-275	0.0							0.0	0.0	0.0			0.0
276-285	0.0							0.0	0.0	0.0			0.0
286-295	0.0							0.0	0.0	0.0			0.0
296-305	0.0							0.0	0.0	0.0			0.0
306-315	0.0							0.0	0.0	0.0			0.0
316-325	0.0							0.0	0.0	0.0			0.0
326-335	0.0							0.0	0.0	0.0			0.0
336-345	0.0							0.0	0.0	0.0			0.0
346-355	0.0							0.0	0.0	0.0			0.0
356-365	0.0							0.0	0.0	0.0			0.0
366-375	0.0							0.0	0.0	0.0			0.0
376-385	0.0							0.0	0.0	0.0			0.0
386-395	0.0							0.0	0.0	0.0			0.0
396-405	0.0							0.0	0.0	0.0			0.0
406-415	0.0							0.0	0.0	0.0			0.0
416-425	0.0							0.0	0.0	0.0			0.0
426-435	0.0							0.0	0.0	0.0			0.0
436-445	0.0							0.0	0.0	0.0			0.0
446-455	0.0							0.0	0.0	0.0			0.0
456-465	0.0							0.0	0.0	0.0			0.0
466-475	0.0							0.0	0.0	0.0			0.0
476-485	0.0							0.0	0.0	0.0			0.0
486-495	0.0							0.0	0.0	0.0			0.0
496-505	0.0							0.0	0.0	0.0			0.0
506-515	0.0							0.0	0.0	0.0			0.0
516-525	0.0							0.0	0.0	0.0			0.0
526-535	0.0							0.0	0.0	0.0			0.0
536-545	0.0							0.0	0.0	0.0			0.0
546-555	0.0							0.0	0.0	0.0			0.0
556-565	0.0							0.0	0.0	0.0			0.0
566-575	0.0							0.0	0.0	0.0			0.0
576-585	0.0							0.0	0.0	0.0			0.0
586-595	0.0							0.0	0.0	0.0			0.0
596-605	0.0							0.0	0.0	0.0			0.0
606-615	0.0							0.0	0.0	0.0			0.0
616-625	0.0							0.0	0.0	0.0			0.0
626-635	0.0							0.0	0.0	0.0			0.0
636-645	0.0							0.0	0.0	0.0			0.0
646-655	0.0							0.0	0.0	0.0			0.0
656-665	0.0							0.0	0.0	0.0			0.0
666-675	0.0							0.0	0.0	0.0			0.0
676-685	0.0							0.0	0.0	0.0			0.0
686-695	0.0							0.0	0.0	0.0			0.0
696-705	0.0							0.0	0.0	0.0			0.0
706-715	0.0							0.0	0.0	0.0			0.0
716-725	0.0							0.0	0.0	0.0			0.0
726-735	0.0							0.0	0.0	0.0			0.0
736-745	0.0							0.0	0.0	0.0			0.0
746-755	0.0							0.0	0.0	0.0			0.0
756-765	0.0							0.0	0.0	0.0			0.0
766-775	0.0							0.0	0.0	0.0			0.0
776-785	0.0							0.0	0.0	0.0			0.0
786-795	0.0							0.0	0.0	0.0			0.0
796-805	0.0							0.0	0.0	0.0			0.0
806-815	0.0							0.0	0.0	0.0			0.0
816-825	0.0							0.0	0.0	0.0			0.0
826-835	0.0							0.0	0.0	0.0			0.0
836-845	0.0							0.0	0.0	0.0			0.0
846-855	0.0							0.0	0.0	0.0			0.0
856-865	0.0							0.0	0.0	0.0			0.0
866-875	0.0							0.0	0.0	0.0			0.0
876-885	0.0							0.0	0.0	0.0			0.0
886-895	0.0							0.0	0.0	0.0			0.0
896-905	0.0							0.0	0.0	0.0			0.0
906-915	0.0							0.0	0.0	0.0			0.0
916-925	0.0							0.0	0.0	0.0			0.0
926-935	0.0							0.0	0.0	0.0			0.0
936-945	0.0							0.0	0.0	0.0			0.0
946-955	0.0							0.0	0.0	0.0			0.0
956-965	0.0							0.0	0.0	0.0			0.0
966-975	0.0							0.0	0.0	0.0			0.0
976-985	0.0							0.0	0.0	0.0			0.0
986-995	0.0							0.0	0.0	0.0			0.0
996-1005	0.0							0.0	0.0	0.0			0.0

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: USAF 100-0000 YEAR: 1970 MONTH: JUN HOURS (LOCAL):

WIND DIRECTION	WIND SPEED	WIND GUSTS	DRIZZLE	FREEZING RAIN	FREEZING DRIZZLE	SLEET	SHOWERS	ICE CRYSTALS	SNOW GRAINS	PELLETS	SHOWERS	HAIL SMALL	HAIL	THUNDER	FOG	ICE GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
000	000	000													3.3		3.3			3.3
010	010	010													1.0	2.1	27.3			4.5
020	020	020														14.3	42.6			6.7
030	030	030													1.7		16.7			6.7
040	040	040													2.0		1.0			4.5
050	050	050													3.3		32.3			16.7
060	060	060															1.0			6.7
070	070	070													1.7	8.3	37.5			41.7
080	080	080													2.0	1.6	25.0			46.4
090	090	090													1.1	.7	28.5			36.4
100	100	100													2.0		33.3			42.7
110	110	110													1.1	1.0	26.4			47.8
120	120	120													1.1	.	31.4			41.7
130	130	130													2.0		27.5			28.3
140	140	140													15.7	3.3	32.3			46.7
150	150	150													11.3					46.7
160	160	160																		
170	170	170																		
180	180	180																		
190	190	190																		
200	200	200																		
210	210	210																		
220	220	220																		
230	230	230																		
240	240	240																		
250	250	250																		
260	260	260																		
270	270	270																		
280	280	280																		
290	290	290																		
300	300	300																		
310	310	310																		
320	320	320																		
330	330	330																		
340	340	340																		
350	350	350																		
360	360	360																		
370	370	370																		
380	380	380																		
390	390	390																		
400	400	400																		
410	410	410																		
420	420	420																		
430	430	430																		
440	440	440																		
450	450	450																		
460	460	460																		
470	470	470																		
480	480	480																		
490	490	490																		
500	500	500																		
510	510	510																		
520	520	520																		
530	530	530																		
540	540	540																		
550	550	550																		
560	560	560																		
570	570	570																		
580	580	580																		
590	590	590																		
600	600	600																		
610	610	610																		
620	620	620																		
630	630	630																		
640	640	640																		
650	650	650																		
660	660	660																		
670	670	670																		
680	680	680																		
690	690	690																		
700	700	700																		
710	710	710																		
720	720	720																		
730	730	730																		
740	740	740																		
750	750	750																		
760	760	760																		
770	770	770																		
780	780	780																		
790	790	790																		
800	800	800																		
810	810	810																		
820	820	820																		
830	830	830																		
840	840	840																		
850	850	850																		
860	860	860																		
870	870	870																		
880	880	880																		
890	890	890																		
900	900	900																		
910	910	910																		
920	920	920																		
930	930	930																		
940	940	940																		
950	950	950																		
960	960	960																		
970	970	970																		
980	980	980																		
990	990	990																		
1000	1000	1000																		

TOTAL NUMBER OF OBSERVATIONS 907

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION NAME: JST 19 6-20 1970 MONTH: JULY HOURS (L.S.T.):

WIND DIRECTION	WIND SPEED	FREEZING RAIN	FREEZING DRIZZLE	SLEET	SHOWERS	ICE CRYSTALS	SNOW GRAINS	PELLETS	SHOWERS	HAIL SMALL	HAIL	THUNDER	FOG	ICE FOG	GROUND FOG	SMOKE	HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N													4.5	7.3	36.4					
NNE													2.3			10.7				1.7
NNE													2.0			10.7				3.3
NNE													2.0			25.0				1.0
NNE													1.0	25.0		37.5				37.5
NNE													1.0			10.0				10.0
NNE													1.0			10.1				10.1
NNE													1.7	4.3		47.8				7.4
NNE													1.0			12.0				76.4
NNE													1.0			10.8				76.2
NNE													1.0			19.6				79.9
NNE													3.0			17.3				79.9
NNE													6.0			24.1				71.0
NNE													2.0			41.7				33.3
NNE													1.7			17.7				66.7
NNE													16.7	33.3						
NNE													2.3			25.4				
NNE													1.0			2.0				6.0
NNE													1.0			32.7				6.0

TOTAL NUMBER OF OBSERVATIONS

1,17

— 15 —

[illegible]

TOTAL NUMBER OF OBSERVATIONS

[illegible]

TOTAL NUMBER OF OBSERVATIONS

9.

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION: 6-0 C-0 1.75

YEAR:

MONTH:

HOURS: 0000

WIND DIRECTION	RAIN SHOWERS	DRIZZLE	FREZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
000								0.2	7.1	1.7			4.4
010								1.1	0.1	2.2			5.6
020								14.7	11.0	25.3			1.2
030								12.0	1.0	1.4			6.7
040								2.4	1.0	1.4			0.0
050								1.7	0.3	1.7			5.0
060								0.7	1.7	0.3			6.7
070								1.0	0.0	2.0			5.0
080								1.0	1.4	3.0			6.0
090								4.0	2.0	21.5			72.3
100								0.0	0.0	19.4			75.0
110								0.0	0.0	25.4			60.7
120								4.0	1.0	24.5			60.5
130								0.9	0.0	24.4			56.7
140								0.0	0.0	32.4			54.5
150								0.0	14.0	0.0			57.1
160								0.0	0.0	0.0			0.0
170								0.0	0.0	0.0			0.0
180								0.0	0.0	0.0			0.0
190								0.0	0.0	0.0			0.0
200								0.0	0.0	0.0			0.0
210								0.0	0.0	0.0			0.0
220								0.0	0.0	0.0			0.0
230								0.0	0.0	0.0			0.0
240								0.0	0.0	0.0			0.0
250								0.0	0.0	0.0			0.0
260								0.0	0.0	0.0			0.0
270								0.0	0.0	0.0			0.0
280								0.0	0.0	0.0			0.0
290								0.0	0.0	0.0			0.0
300								0.0	0.0	0.0			0.0
310								0.0	0.0	0.0			0.0
320								0.0	0.0	0.0			0.0
330								0.0	0.0	0.0			0.0
340								0.0	0.0	0.0			0.0
350								0.0	0.0	0.0			0.0
360								0.0	0.0	0.0			0.0
TOTAL								10.0	0.0	0.0			0.0

TOTAL NUMBER OF OBSERVATIONS

1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION: 100-0000 YEAR: 1971 MONTH: 10 HOURS: 0000

WIND DIRECTION	PRECIPITATION RAIN SLUSH OR SLEET	SLEET OR ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N						1.0	4.0	4.0			0.0
NNE	0.1					0.0	3.0	0.0			7.0
NNE						0.0		0.0			0.0
NNE						1.0	12.0	22.0			4.0
NNE	0.2				0.1	2.0	14.0	1.0			41.0
NNE	0.7				1.0	10.0	15.0	1.0			57.0
NNE	1.0						1.0				76.0
NNE	0.2					0.7	0.0	14.0			0.0
NNE	0.2					0.0	3.0	0.0			0.0
NNE	1.0					0.0		14.0			0.0
NNE	0.2							1.0			0.0
NNE	1.0					0.3	2.0	14.0			1.0
NNE	0.0					0.0	2.0	27.0			67.0
NNE	0.0					0.0	4.0	3.0			0.0
NNE	0.0					0.0		23.0			70.0
NNE	0.0										0.0
NNE	0.0					1.0	1.0	0.0			0.0
NNE	0.0					1.0	0.0	13.0			7.0
NNE	0.0				0.1	0.0	0.0	13.0			71.0

TOTAL NUMBER OF OBSERVATIONS 6

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.								1.0	5.4				1.1
NNE			2.2			4.4			2.0	4.4	2.2			6.7
NE									4.0	4.0	5.2			5.0
E						7.0			1.0	5.0	2.0			5.7
ESE	7.7								2.1					7.0
SE	7.7								0.3	4.0				53.0
SSE	1.0								0.1	4.2	1.7			75.0
S	1.0		1.4						0.1	1.4	1.7			66.7
SSW	6.1		1.1						0.1		2.6			73.6
SW	1.0	1.0							0.1		13.0			65.5
WSW	1.0	1.3							0.1		11.0			53.3
W	1.0	1.0							0.5		7.6			37.9
WNW	1.0								1.0	6.3	1.3			78.1
WV									0.3	7.3	0.3			75.1
NNW									0.7		0.7			56.7
VAR														
ALL														
TOTAL	11	0	5						0.1	41	0.2			76.7
TOTAL	0.1	0.2	0.1			0.1			0.1	6.4	0.2			76.7
TOTAL NUMBER OF OBSERVATIONS														570

W.C. Davis

[illegible]

TOTAL NUMBER OF OBSERVATIONS

1
(
-
-
-

NOCD. Federal Building
Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION NAME _____ YEARS _____

AMOUNTS (INCHES)																	PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MONTHLY AMOUNTS (INCHES)							
														MEAN	GREATEST	LEAST					
																			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4								
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120								
JAN	•	•	1.0		6.0	6.0	11.0	7.0	7.0					7.0	3.03	6.0	1.0				
FEB	•	•	1.0	2.0	1.0	2.0	2.0	4.0	6.0					20.0	4	7.05	0.70				
MAR	•	•	1.0	1.0	1.0	1.0		0.0	3.0					22.0	21	1.04	1.00				
APR	•	1.0	1.0	1.0	1.0	1.0	7.0	10.0						•	1.02	1.07	1.0				
MAY	•	1.0	1.0	0.0	0.0									•	1.17	0.19	0.07				
JUN	•	1.0	0.0	0.0										•	•	•	•				
JUL	•	6.0													17.00	7.00	7.00				
AUG	•	1.0	1.0	1.0										1.0	0.01	•	0.01				
SEP	•	1.0	1.0	0.0		1.0								1.0	0.00	0.17	0.00				
OCT	•	11.0	1.0			1.0								•	0.00	0.10	0.00				
NOV	•	1.0	1.0	1.0	1.0	1.0	1.0	•						1.0	0.00	1.00	1.00				
DEC	•	1.0	1.0	1.0	1.0	1.0	0.0							1.0	0.00	0.00	0.00				
ANNUAL	•	•	•	4.07	7.0	10.0	0.0	1.0	1.0					1.0	0.00	1.07	0.00				

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION NAME STATION NAME YEARS 1977

AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	.02-.05	.06-10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00				MEAN	GREATEST	LEAST
													OVER 50.4	OVER 120					
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4	OVER 120					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	
FEB	
MAR	.														1	.	.	.	
APR	
MAY	.														1	.	.	.	
JUN	
JUL	.														1	.	.	.	
AUG	
SEP	
OCT	
NOV	
DEC	
ANNUAL	

EXTREME VALUES

1967-1968 (FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
1	1	1-7

YEARS

[illegible]

SMOS

EXTREME VALUES

٧٠٠

YEARS

SECRET

MEAN	S. D.	TOTAL OBS.
------	-------	------------

SMOS

EXTREME VALUES

TABLE
(FROM DAILY OBSERVATIONS)

YEARS

STATION NAME

STATION

2000

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

NAVAL
(FROM DAILY OBSERVATIONS)

STATION NAME ASHEVILLE, NORTH CAROLINA YEARS 1967-1970

STATION NUMBER 114
STATION NAME ASHEVILLE, NORTH CAROLINA
STATION TYPE NAVY

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1967													ALL MONTHS
1968													ALL MONTHS
1969													ALL MONTHS
1970													ALL MONTHS
1971													ALL MONTHS
1972													ALL MONTHS
1973													ALL MONTHS
1974													ALL MONTHS
1975													ALL MONTHS
1976													ALL MONTHS
1977													ALL MONTHS
1978													ALL MONTHS
1979													ALL MONTHS
1980													ALL MONTHS
1981													ALL MONTHS
1982													ALL MONTHS
1983													ALL MONTHS
1984													ALL MONTHS
1985													ALL MONTHS
1986													ALL MONTHS
1987													ALL MONTHS
1988													ALL MONTHS
1989													ALL MONTHS
1990													ALL MONTHS
1991													ALL MONTHS
1992													ALL MONTHS
1993													ALL MONTHS
1994													ALL MONTHS
1995													ALL MONTHS
1996													ALL MONTHS
1997													ALL MONTHS
1998													ALL MONTHS
1999													ALL MONTHS
2000													ALL MONTHS
2001													ALL MONTHS
2002													ALL MONTHS
2003													ALL MONTHS
2004													ALL MONTHS
2005													ALL MONTHS
2006													ALL MONTHS
2007													ALL MONTHS
2008													ALL MONTHS
2009													ALL MONTHS
2010													ALL MONTHS
2011													ALL MONTHS
2012													ALL MONTHS
2013													ALL MONTHS
2014													ALL MONTHS
2015													ALL MONTHS
2016													ALL MONTHS
2017													ALL MONTHS
2018													ALL MONTHS
2019													ALL MONTHS
2020													ALL MONTHS
2021													ALL MONTHS
2022													ALL MONTHS
2023													ALL MONTHS
2024													ALL MONTHS
2025													ALL MONTHS
2026													ALL MONTHS
2027													ALL MONTHS
2028													ALL MONTHS
2029													ALL MONTHS
2030													ALL MONTHS
2031													ALL MONTHS
2032													ALL MONTHS
2033													ALL MONTHS
2034													ALL MONTHS
2035													ALL MONTHS
2036													ALL MONTHS
2037													ALL MONTHS
2038													ALL MONTHS
2039													ALL MONTHS
2040													ALL MONTHS
2041													ALL MONTHS
2042													ALL MONTHS
2043													ALL MONTHS
2044													ALL MONTHS
2045													ALL MONTHS
2046													ALL MONTHS
2047													ALL MONTHS
2048													ALL MONTHS
2049													ALL MONTHS
2050													ALL MONTHS
2051													ALL MONTHS
2052													ALL MONTHS
2053													ALL MONTHS
2054													ALL MONTHS
2055													ALL MONTHS
2056													ALL MONTHS
2057													ALL MONTHS
2058													ALL MONTHS
2059													ALL MONTHS
2060													ALL MONTHS
2061													ALL MONTHS
2062													ALL MONTHS
2063													ALL MONTHS
2064													ALL MONTHS
2065													ALL MONTHS
2066													ALL MONTHS
2067													ALL MONTHS
2068													ALL MONTHS
2069													ALL MONTHS
2070													ALL MONTHS
2071													ALL MONTHS
2072													ALL MONTHS
2073													ALL MONTHS
2074													ALL MONTHS
2075													ALL MONTHS
2076													ALL MONTHS
2077													ALL MONTHS
2078													ALL MONTHS
2079													ALL MONTHS
2080													ALL MONTHS
2081													ALL MONTHS
2082													ALL MONTHS
2083													ALL MONTHS
2084													ALL MONTHS
2085													ALL MONTHS
2086													ALL MONTHS
2087													ALL MONTHS
2088													ALL MONTHS
2089													ALL MONTHS
2090													ALL MONTHS
2091													ALL MONTHS
2092													ALL MONTHS
2093													ALL MONTHS
2094													ALL MONTHS
2095													ALL MONTHS
2096													ALL MONTHS
2097													ALL MONTHS
2098													ALL MONTHS
2099													ALL MONTHS
2100													ALL MONTHS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

NO. 100-100
(FROM DAILY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 1967

DATE OF RECORDING 10-1-67

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													
47													
48													
49													
50													
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

STATION NAME ASHEVILLE, N.C. YEARS 1957

1957
1958
1959
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
2038
2039
2040
2041
2042
2043
2044
2045
2046
2047
2048
2049
2050
2051
2052
2053
2054
2055
2056
2057
2058
2059
2060
2061
2062
2063
2064
2065
2066
2067
2068
2069
2070
2071
2072
2073
2074
2075
2076
2077
2078
2079
2080
2081
2082
2083
2084
2085
2086
2087
2088
2089
2090
2091
2092
2093
2094
2095
2096
2097
2098
2099
2100

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1957													ALL MONTHS
1958													ALL MONTHS
1959													ALL MONTHS
1960													ALL MONTHS
1961													ALL MONTHS
1962													ALL MONTHS
1963													ALL MONTHS
1964													ALL MONTHS
1965													ALL MONTHS
1966													ALL MONTHS
1967													ALL MONTHS
1968													ALL MONTHS
1969													ALL MONTHS
1970													ALL MONTHS
1971													ALL MONTHS
1972													ALL MONTHS
1973													ALL MONTHS
1974													ALL MONTHS
1975													ALL MONTHS
1976													ALL MONTHS
1977													ALL MONTHS
1978													ALL MONTHS
1979													ALL MONTHS
1980													ALL MONTHS
1981													ALL MONTHS
1982													ALL MONTHS
1983													ALL MONTHS
1984													ALL MONTHS
1985													ALL MONTHS
1986													ALL MONTHS
1987													ALL MONTHS
1988													ALL MONTHS
1989													ALL MONTHS
1990													ALL MONTHS
1991													ALL MONTHS
1992													ALL MONTHS
1993													ALL MONTHS
1994													ALL MONTHS
1995													ALL MONTHS
1996													ALL MONTHS
1997													ALL MONTHS
1998													ALL MONTHS
1999													ALL MONTHS
2000													ALL MONTHS
2001													ALL MONTHS
2002													ALL MONTHS
2003													ALL MONTHS
2004													ALL MONTHS
2005													ALL MONTHS
2006													ALL MONTHS
2007													ALL MONTHS
2008													ALL MONTHS
2009													ALL MONTHS
2010													ALL MONTHS
2011													ALL MONTHS
2012													ALL MONTHS
2013													ALL MONTHS
2014													ALL MONTHS
2015													ALL MONTHS
2016													ALL MONTHS
2017													ALL MONTHS
2018													ALL MONTHS
2019													ALL MONTHS
2020													ALL MONTHS
2021													ALL MONTHS
2022													ALL MONTHS
2023													ALL MONTHS
2024													ALL MONTHS
2025													ALL MONTHS
2026													ALL MONTHS
2027													ALL MONTHS
2028													ALL MONTHS
2029													ALL MONTHS
2030													ALL MONTHS
2031													ALL MONTHS
2032													ALL MONTHS
2033													ALL MONTHS
2034													ALL MONTHS
2035													ALL MONTHS
2036													ALL MONTHS
2037													ALL MONTHS
2038													ALL MONTHS
2039													ALL MONTHS
2040													ALL MONTHS
2041													ALL MONTHS
2042													ALL MONTHS
2043													ALL MONTHS
2044													ALL MONTHS
2045													ALL MONTHS
2046													ALL MONTHS
2047													ALL MONTHS
2048													ALL MONTHS
2049													ALL MONTHS
2050													ALL MONTHS
2051													ALL MONTHS
2052													ALL MONTHS
2053													ALL MONTHS
2054													ALL MONTHS
2055													ALL MONTHS
2056													ALL MONTHS
2057													ALL MONTHS
2058													ALL MONTHS
2059													ALL MONTHS
2060													ALL MONTHS
2061													ALL MONTHS
2062													ALL MONTHS
2063													ALL MONTHS
2064													ALL MONTHS
2065													ALL MONTHS
2066													ALL MONTHS
2067													ALL MONTHS
2068													ALL MONTHS
2069													ALL MONTHS
2070													ALL MONTHS
2071													ALL MONTHS
2072													ALL MONTHS
2073													ALL MONTHS
2074													ALL MONTHS
2075													ALL MONTHS
2076													ALL MONTHS
2077													ALL MONTHS
2078													ALL MONTHS
2079													ALL MONTHS
2080													ALL MONTHS
2081													ALL MONTHS
2082													ALL MONTHS
2083													ALL MONTHS
2084													ALL MONTHS
2085													ALL MONTHS
2086													ALL MONTHS
2087													ALL MONTHS
2088													ALL MONTHS
2089													ALL MONTHS
2090													ALL MONTHS
2091													ALL MONTHS
2092													ALL MONTHS
2093													ALL MONTHS
2094													ALL MONTHS
2095													ALL MONTHS
2096													ALL MONTHS
2097													ALL MONTHS
2098													ALL MONTHS
2099													ALL MONTHS
2100													ALL MONTHS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

3

DAILY EXTREME AMOUNTS

1 57-1072

STATION

STATION NAME

YEARS

JULY

MONTH

SEPTEMBER

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
Monthly						

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
Monthly						

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

STATION

STATION NAME

YEARS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0	12	1 7 7			
2	0	12	1 6 7			
3	0	1	1 6 7			
4	0	15	1 7 7			
5	0	13	1 7 7			
6						
7						
8						
9	0	2	1 6 7			
10	0.1	5	1 6 7			
11						
12	0	2	1 6 7			
13	0.02	25	1 6 7			
14	0	2	1 6 7			
15						
16						
17			1 6 7			
18						
19						
20						
21	0.2	7	1 6 7			
22	0.2	7	1 6 7			
23						
24						
25						
26			1 6 7			
27						
28						
29	0	1	1 6 7			
30			1 7 7			
31	0	14	1 6 7			
Monthly			20 1 6 7			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0	2	1 6 7			
2	0.1	5	1 6 7			
3						
4	0.02	1	1 6 7			
5	0	1	1 6 7			
6						
7	0.0	1	1 6 7			
8						
9						
10	0.0	1	1 6 7			
11	0.0	15	1 6 7			
12	0.0	1	1 6 7			
13		1	1 6 7			
14	0	17	1 7 1			
15		1	1 6 7			
16						
17						
18	0.12	3	1 6 7			
19	0.3	12	1 6 7			
20	0	2	1 6 7			
21	0	5	1 6 7			
22	0.02	1	1 6 7			
23						
24	0.0	1	1 6 7			
25						
26	0.0	2	1 7 1			
27	0.1	3	1 7 1			
28	0.2	1	1 6 7			
29	0	1	1 6 7			
30						
31						
Monthly	1.02	25	1 7 1			

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1 6 2 - 1 9 7 2

YEARS

STATION NAME

STATION

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2						
3						
4	.01		1 1 7 1			
5	.1	3	1 1 6 7			
6	.1	4	1 1 7 1			
7	.1	3	1 1 7 1			
8						
9	.01	1	1 1 6 7			
10	.01	2	1 1 6 7			
11						
12						
13			1 1 6 7			
14	.01		1 1 7 1			
15						
16						
17						
18						
19						
20						
21		1	1 1 6 7			
22						
23		1	1 1 6 7			
24		1	1 1 6 7			
25			1 1 6 7			
26						
27			1 1 7 1			
28						
29	.1	2	1 1 6 7			
30						
31			1 1 6 7			
Monthly	.1	4	1 1 7 1			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2		1	1 1 7 1			
3						
4		1	1 1 7 1			
5		1	1 1 6 7			
6						
7		1	1 1 7 1			
8		1	1 1 7 1			
9	.01	1	1 1 6 7			
10	.01	1	1 1 6 7			
11	.01	1	1 1 6 7			
12	.01		1 1 6 7			
13		1	1 1 6 7			
14						
15						
16		1	1 1 6 7			
17	.01	2	1 1 6 7			
18						
19						
20						
21		1	1 1 7 1			
22	.01		1 1 6 7			
23		1	1 1 6 7			
24		1	1 1 6 7			
25						
26						
27						
28						
29						
30						
31						
Monthly	.01	2	1 1 6 7			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1 67-1972

YEARS

STATION NAME

STATION

JULY

MONTH

AUGUST

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1			1972			
2			1972			
3			1972			
4						
5						
6						
7			1972			
8						
9						
10			1972			
11			1972			
12			1972			
13						
14						
15			1972			
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26			1972			
27						
28						
29						
30						
31						
Monthly						

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2						
3			1967			
4			1967			
5						
6						
7			1967			
8						
9						
10						
11						
12			1967			
13						
14						
15			1967			
16						
17						
18						
19						
20			1967			
21						
22			1967			
23						
24						
25						
26			1967			
27						
28						
29						
30						
31			1967			
Monthly						

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1 6 7 - 1 9 7 0

YEARS

STATION NAME

STATION

0 0 0 0 0 0
MONTH

1 1 1 1 1 1
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2						
3						
4			1 1 1 1			
5						
6		13	1 9 9 9			
7		1 1	1 9 9 9			
8						
9						
10			1 9 9 9			
11						
12						
13		6	1 9 9 9			
14			1 9 9 9			
15		24	1 9 9 9			
16		1	1 9 9 9			
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30		1	1 9 9 9			
31						
Monthly		4	1 9 9 9			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1			1 9 9 9			
2			1 9 9 9			
3						
4						
5						
6						
7						
8		1	1 9 9 9			
9		10	1 9 9 9			
10		1	1 9 9 9			
11		3	1 9 9 9			
12						
13						
14		5	1 9 9 9			
15						
16		1	1 9 9 9			
17		7	1 9 9 9			
18		3	1 9 9 9			
19		1	1 9 9 9			
20		5	1 9 9 9			
21		3	1 9 9 9			
22		2	1 9 9 9			
23						
24						
25			1 9 9 9			
26		7	1 9 9 9			
27						
28						
29		1	1 9 9 9			
30						
31						
Monthly	1	3	1 9 9 9	1	1	1 9 9 9

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7

[illegible]

SMOS

EXTREME VALUES

FROM DAILY OBSERVATIONS)

YEARS

[illegible]

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 1970 MONTH 07

CLASS ALL HOURS (L.S.T.) 0000-2300

CONDITION ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	1.	2.										1.	1.
NE	1.	5.	1.									1.	4.
ENE		1.										1.	4.
E	1.	1.										1.	1.
ESE			1.									1.	1.
SE		1.										1.	1.
SSE												1.	1.
S			1.	1.								1.	1.
SSW			1.									1.	1.
SW													
WSW													
W	1.	1.		1.								5.	7.
WNW													
NW	1.											1.	1.
NNW	1.											1.	1.
VARBL													
CALM													
	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.4

TOTAL NUMBER OF OBSERVATIONS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION NAME YEARS MONTH

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	1.	1.	1.									1.	1.
NE	1.	1.	1.									1.	1.
ENE	1.	1.										1.	1.
E													
ESE													
SE													
SSE													
S	1.	1.	1.		1.							1.	1.
SSW	1.											1.	1.
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	1.	1.	1.		1.							1	2.

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: 60-71, 74-75
STATION: 60-71, 74-75
YEARS: 1975
MONTH: 10
HOURS (L.S.T.): 100

CLASS: ALL DATA

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	•	•	•	•	•	•	•	•	•	•	2.0
NNE	•	•	1.0	•	•	•	•	•	•	•	•	•	4.0
NE	1.0	•	1.0	•	•	•	•	•	•	•	•	10.0	3.6
ENE	•	•	1.0	•	•	•	•	•	•	•	•	11.2	•
E	•	•	1.0	•	•	•	•	•	•	•	•	•	•
ESE	•	•	•	•	•	•	•	•	•	•	•	•	3.0
SE	•	•	•	•	•	•	•	•	•	•	•	•	2.0
SSE	•	•	•	•	•	•	•	•	•	•	•	•	1.0
S	•	•	•	•	•	•	•	•	•	•	•	•	•
SSW	•	•	•	•	•	•	•	•	•	•	•	•	•
SW	•	•	•	•	•	•	•	•	•	•	•	•	•
WSW	•	•	•	•	•	•	•	•	•	•	•	•	•
W	•	•	•	•	•	•	•	•	•	•	•	•	•
WNW	•	•	•	•	•	•	•	•	•	•	•	•	•
NW	•	•	•	•	•	•	•	•	•	•	•	•	•
NNW	•	•	•	•	•	•	•	•	•	•	•	•	•
VARBL	•	•	•	•	•	•	•	•	•	•	•	•	•
CALM	•	•	•	•	•	•	•	•	•	•	•	•	•
	1.0	2.0	11.0	1.0	•	•	•	•	•	•	•	10.0	2.7

TOTAL NUMBER OF OBSERVATIONS

101

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 1964-70 MONTH 10

CLASS 10-100 HOURS (L.S.T.) 10

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0		1.0								1.4	4.0
NNE	1.0	2.0	1.0									1.0	4.0
NE	1.0	4.0	1.0	1.0								1.0	4.0
ENE	1.0	1.0	1.0	1.0								1.0	4.0
E	1.0	1.0										1.0	4.0
ESE		1.0	1.0									1.0	4.0
SE	1.0			1.0								1.0	4.0
SSE		1.0										1.0	4.0
S	1.0	1.0	1.0	1.0	1.0							1.0	4.0
SSW	1.0	1.0	1.0	1.0								1.0	4.0
SW		1.0	1.0									1.0	4.0
WSW	1.0	1.0	1.0									1.0	4.0
W	1.0	1.0	1.0									1.0	4.0
WNW	1.0	1.0	1.0									1.0	4.0
NW	1.0	1.0										1.0	4.0
NNW	1.0	1.0		1.0								1.0	4.0
VARBL													
CALM													
	1.0	1.0	4.7	1.0	1.0							1.0	2.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
1225	1225	1967	1
CLASS		HOURS (L.S.T.)	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	•	•								7.0	3.4
NNE			1.0									1.0	3.2
NE	•	•	•									3.2	3.2
ENE			•									•	•
E	•	1.0										1.0	4.3
ESE	•											•	2.0
SE		•			•							•	12.0
SSE		•										•	3.4
S	•	•	1.0	•	•							17.2	5.4
SSW	•	•	2.0	•	•							17.2	1.1
SW	•	•	2.0	•								11.0	2.6
WSW	•	•	1.0	•								10.0	1.1
W	•	•	2.0	1.0								17.8	6.0
WNW	•	1.0	2.0	•								5.6	6.0
NW				•								•	17.0
NNW													
VARBL													
CALM													
	1.0	42.7	27.0	6.1	1.0							10.0	5.6

TOTAL NUMBER OF OBSERVATIONS

13

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 1977 MONTH 17

CLASS ALL HOURS (L.S.T.) 17

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	1.0		•								•	•
NNE		1.0	•									2.0	•
NE		•										•	•
ENE			•									•	1.0
E		•										•	•
ESE													
SE	•	•										1.0	•
SSE	1.0	1.0		1.0								•	•
S	•	•	1.0	1.0								1.0	5.4
SSW	1.0	•	1.0	1.0								11.1	5.0
SW	1.0	•	•	•								17.0	4.0
WSW	•	•	•	1.0								17.0	•
W	•	•	•	1.0								14.0	6.7
WNW	•	•	•	1.0								•	7.4
NW		•	•									1.0	7.8
NNW													
VARBL													
CALM												•	
	1.0	4.0	2.0	•								10.0	•

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME _____ MONTH _____
STATION _____ YEAR _____
CLASS _____ HOURS (L.S.T.) _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	1.0	1.0										1.0	3.0
NE	1.0	1.0										1.0	3.7
ENE	1.0	1.0										1.0	4.7
E	1.0	1.0	1.0									1.0	3.6
ESE												1.0	2.7
SE		1.0										1.0	4.0
SSE				1.0								1.0	12.0
S	1.0		1.0	1.0								1.0	8.3
SSW	1.0	1.0	1.0	1.0								1.0	6.0
SW	1.0											1.0	4.0
WSW												1.0	4.0
W		1.0											
WNW													
NW				1.0								1.0	1.0
NNW													
VARBL												4.0	
CALM												1.0	2.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1972 MONTH 12

CLASS 1000 HOURS (L S T) 0000

CONDITION 1000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1											.1	2.0
NNE	.1	.1	2.1									.1	2.0
NE	.1	.1	2.1									.1	2.0
ENE	.1	.1										.1	2.0
E		.1										.1	2.0
ESE													
SE													
SSE	.1											.1	2.0
S		.1	2.1	4.1								.1	2.0
SSW													
SW		.1										.1	2.0
WSW			.1									.1	2.0
W	.1		.1									.1	2.0
WNW		.1										.1	2.0
NW													
NNW													
VARBL													
CALM													
	1.0	2.1	1.0	4.1								10.0	2.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEAR _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	•									•	•
NNE	•	•	•									•	•
NE	•	•	•									•	•
ENE		•										•	•
E												•	•
ESE	•											•	•
SE												•	•
SSE												•	•
S				•	•							•	1.7
SSW												•	•
SW												•	•
WSW												•	•
W	•											•	•
WNW												•	•
NW												•	•
NNW												•	•
VARBL												•	•
CALM												•	•
	1.0	1.7	6.0	4.0	0.0							10.0	2.2

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	1.									6.	3.
NNE	•	•	•									•	3.
NE	•	•	•									1.	5.
ENE	•	•	•	1.								•	•
E	•	•	1.									•	3.
ESE		1.										1.	4.
SE	•											•	•
SSE	•	•										•	3.
S				1.								1.	1.
SSW	•	•	•									•	5.
SW													
WSW													
W													
WNW	•											•	•
NW													
NNW													
VARBL													
CALM	•	1.	•	•								•	•

TOTAL NUMBER OF OBSERVATIONS

NAVA, WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.	1.0
NNE	2.	5.0
NE	7.	7.0
ENE	1.	6.1
E	8.	6.7
ESE	1.	1.0
SE	2.	2.0
SSE	1.	1.7
S	5.	1.0
SSW	2.	6.4
SW	2.	1.0
WSW	1.	1.3
W	7.1	1.0
WNW	1.6	1.0
NW	1.	1.0
NNW	1.	1.0
VARBL	1.	1.0
CALM	1.	1.0
	11.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

HOURS (U.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

3
NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 1955 MONTH 1

CLASS ALL

CONDITION _____

HOURS (L.S.T.) 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.	.									1.	7.0
NNE			.									.	6.0
NE													
ENE			.									.	
E	.	.										.	
ESE		.										1.	4.5
SE		.										.	3.0
SSE	.	.										.	
S	.	.	6.0	1.								3.	4.0
SSW	.	.	.									1.	5.0
SW	.	.	.									1.	4.0
WSW	.	3.0	.									1.	4.0
W	.	5.0	.	2.0								1.	3.0
WNW	.	.	.	2.0								1.	3.0
NW		.	.	.								.	12.0
NNW													
VARBL													
CALM												.	
	1.0	7.0	3.0	0.0	0.0							1.0	6.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1967 MONTH 1

CLASS 1 HOURS (L.S.T.) 1

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0									0.0	0.0
NNE	1.0	1.0										0.0	0.0
NE													
ENE	1.0											0.0	0.0
E	1.0											0.0	0.0
ESE													
SE	1.0											0.0	0.0
SSE	1.0											0.0	0.0
S	1.0		1.0		1.0	1.0						0.0	11.7
SSW	1.0	1.0	1.0									0.0	4.7
SW													
WSW	1.0			1.0								0.0	0.0
W	1.0	1.0	1.0									0.0	0.0
WNW													
NW	1.0											0.0	0.0
NNW	1.0											0.0	0.0
VARBL													
CALM												4.0	
	2.0	1.0	1.0	1.0	1.0	1.0						10.0	2.3

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

STATION	STATION NAME	YEARS	MONTH	HOURS (L.T.)
1000	1000	1000	1000	1000

[illegible]

TOTAL NUMBER OF OBSERVATIONS

SOWS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC YEARS: 1961-70 MONTH: ALL
HOURS (L.S.T.): ALL

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0							3.0	4.0
NNE	1.0	1.0	1.0									3.0	4.1
NE	1.0	1.0	1.0	1.0								3.0	4.4
ENE	1.0	1.0	1.0	1.0								3.0	4.2
E	1.0	1.0	1.0									3.0	4.3
ESE	1.0	1.0	1.0									3.0	4.7
SE	1.0	1.0	1.0									3.0	4.7
SSE	1.0	1.0	1.0	1.0	1.0							3.0	4.0
S	1.0	1.0	1.0	1.0	1.0	1.0						3.0	4.6
SSW	1.0	1.0	1.0	1.0	1.0							3.0	4.4
SW	1.0	1.0	1.0	1.0	1.0							3.0	4.7
WSW	1.0	1.0	1.0	1.0	1.0							3.0	4.6
W	1.0	1.0	1.0	1.0	1.0							3.0	4.3
WNW	1.0	1.0	1.0	1.0	1.0							3.0	4.9
NW	1.0	1.0	1.0	1.0	1.0							3.0	4.4
NNW	1.0	1.0	1.0	1.0	1.0							3.0	4.0
VARBL													
CALM													
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.1

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC YEARS: 1974 MONTH: ...

CLASS: ALL DATA HOURS (L.S.T.): ...

CONDITION: ...

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.	1.										1.	1.
NNE	1.	1.										1.	1.
NE	1.	1.										1.	1.
ENE	1.	1.										1.	1.
E	1.	1.										1.	1.
ESE	1.	1.										1.	1.
SE	1.	1.										1.	1.
SSE	1.	1.										1.	1.
S	1.	1.										1.	1.
SSW	1.	1.										1.	1.
SW	1.	1.										1.	1.
WSW	1.	1.										1.	1.
W	1.	1.										1.	1.
WNW	1.	1.										1.	1.
NW	1.	1.										1.	1.
NNW	1.	1.										1.	1.
VARBL	1.	1.										1.	1.
CALM	1.	1.										1.	1.

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: _____ YEARS: _____ MONTH: _____

CLASS: _____ HOURS (L.S.T.): _____

CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0										0.5	1.0
NNE	0.0	3.0										1.0	1.0
NE	0.0	7.0										1.1	1.0
ENE													1.0
E													
ESE													
SE		1.0										1.0	1.0
SSE													
S													
SSW													
SW													
WSW													
W													
WNW												1.0	1.0
NW													
NNW													
VARBL													
CALM												6.7	
	1.0	1.0	1.0									10.0	1.3

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.
NNE	2.
NE	1.	4.
ENE	4.
E	3.	4.
ESE	2.	4.
SE	1.	4.
SSE	1.	4.
S	2.	6.
SSW	1.	1.
SW	1.	1.
WSW	1.	1.
W	1.	1.
WNW	1.	1.
NW	1.	1.
NNW	1.	1.
VARBL	1.	1.
CALM	1.	2.

TOTAL NUMBER OF OBSERVATIONS

16

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEAR

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													12.0
NNE				1.0								1.3	7.7
NE		1.0										2.0	3.0
ENE												1.0	3.0
E												1.0	2.0
ESE												1.0	4.5
SE		1.0	1.0									2.0	4.3
SSE		2.0	2.0									4.0	1.2
S		2.0	1.0	1.0								10.0	5.0
SSW		5.0	1.0									6.0	4.0
SW		3.0	1.0									4.2	3.0
WSW		1.0	1.0									2.0	3.0
W		2.0	2.0									4.0	1.0
WNW			1.0									1.0	1.0
NW		1.0										1.0	3.0
NNW												2.0	
VARBL													
CALM												2.0	
	12.0	7.1	17.0	6.7								10.0	7.6

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE, NC YEARS 1960-1961 MONTH 1
CLASS ALL HOURS (L.S.T.) 1
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													1.0
NNE													1.0
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

[illegible]

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE				.								.	1.0
NE			.									.	.
ENE													
E													
ESE			.									.	.
SE			.									.	1.0
SSE	.	2.	1.									.	1.0
S	1.	5.	.									.	1.0
SSW	1.	1.7	1.	.								1.0	1.0
SW	.	5.	1.	1.4								1.0	1.0
WSW	1.	4.	1.	1.0								1.0	1.0
W	1.	4.	1.0	5.7	1.							1.0	1.0
WNW		.	.	2.								1.0	1.0
NW		.	.									1.0	1.0
NNW													
VARBL													
CALM												2.	
	1.0	1.0	4.0	12.0	1.0	1.0						1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											1.0	1.0
NNE		.										1.0	1.0
NE		.	.									2.0	2.0
ENE		.	.									1.0	1.0
E	.	.	.									3.0	3.0
ESE	.											1.0	1.0
SE												1.0	1.0
SSE	.	.	.									3.0	3.0
S	.	.	.									1.0	1.0
SSW	.	.	.									3.0	3.0
SW	.	.	.									1.0	1.0
WSW	.	.	.									3.0	3.0
W	.	.	.	1.0								1.0	1.0
WNW	.	.	.	1.0								3.0	3.0
NW			.	1.0								1.0	1.0
NNW												3.0	3.0
VARBL												1.0	1.0
CALM												1.0	1.0
												1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

MONTH

HOURS (L.S.T.)

CLASS

CONCLUSION

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
			JUL
	CLASS		HOURS (LST)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•		•								•	•
NNE	•	•	•	•								•	•
NE	•	•	•	•								•	•
ENE	•	•	•	•								•	•
E	•	•	•	•								•	•
ESE	•	•	•	•								•	•
SE	•	•	•	•								•	•
SSE	•	•	•	•								•	•
S	•	•	•	•	•							•	•
SSW	•	•	•	•	•							•	•
SW	•	•	•	•	•							•	•
WSW	•	•	•	•	•							•	•
W	•	•	•	•	•							•	•
WNW	•	•	•	•	•							•	•
NW	•	•	•	•	•							•	•
NNW	•	•	•	•	•							•	•
VARBL												•	•
CALM												•	•
	1.1	1.0	2.0	2.0	1.0	•						10.0	4.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											.	.
NNE													
NE		.										.	.
ENE													
E													
ESE													
SE		.										.	.
SSE													
S												.	.
SSW												.	.
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.	.
												.	.

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											.	2.
NNE	.											.	2.
NE												.	2.
ENE													
E													
ESE		.										.	
SE												.	
SSE													
S													
SSW													
SW				.								.	17.
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												7.	
	7.	5.		.								10.	1.

TOTAL NUMBER OF OBSERVATIONS

SMOS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: 10-20-71 00-00-00
STATION: 10-20-71 00-00-00
YEARS: 1971
MONTH: 10
HOURS (L.S.T.): 00

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
NNE	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
NE	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
ENE	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
E	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
ESE	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
SE	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
SSE	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
S	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
SSW	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
SW	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
WSW	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
W	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
WNW	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
NW	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
NNW	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
VARBL	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
CALM	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.

TOTAL NUMBER OF OBSERVATIONS

11

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALBANY		10
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.	.	.									1.1	4.7
NE		.	.									1.1	4.9
ENE	.	.	.									1.1	3.0
E	.											.	.
ESE		.										.	4.0
SE	.											.	2.0
SSE	.	.	.	.	.							.	7.0
S	.	10.	10.	10.								10.0	10.1
SSW		11.	10.	10.								10.0	6.0
SW	.	10.	10.	10.								11.0	6.9
WSW	.	10.	10.	10.								12.0	7.1
W	.	10.	10.	10.								15.0	10.6
WNW		10.	10.	10.								13.0	7.7
NW	.	.										1.0	3.0
NNW	.	.											
VARBL													
CALM												.	
	1.0	4.0	2.0	6.0	0.0							10.0	6.6

TOTAL NUMBER OF OBSERVATIONS

5

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1970 MONTH 12
CLASS ALL HOURS (L.S.T.) 17
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: 0-70 YEARS: MONTH: 3
CLASS: ALL E-10-50 HOURS (L.S.T.):

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	1.0	2.0	57.5	16.5	5.0							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

	STATION	STATION NAME	YEARS	NORTH	HOURS (L.S.T.)
	06787-1		-71, 72-74	1-	
		ALL INFORMATION CLASS			

[illegible]

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1970 MONTH 10
CLASS ALL HOURS (L.S.T.) 00

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1	2										0.7	3.0
NNE	1	1										7.1	3.0
NE	1	1										3.0	3.0
ENE													
E													
ESE													
SE													
SSE													
S		1										3.0	3.0
SSW													
SW													
WSW	1											7.1	3.0
W													
WNW													
NW													
NNW													
VARBL													
CALM												1.0	
	1	1	1	1	1	1	1	1	1	1	1	11.0	1.1

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

٤٠٠

YEARS

STATION NAME

MONTH

NAME	CLASS
ALLAN, R	

HOURS (L.S.T.)

CONDITION[illegible]

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC YEARS: 1974 MONTH: 10

CLASS: ALL DATA HOURS (L.S.T.): 0000

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											.	1.
NNE	.											.	2.
NIE													
ENE													
E	.											.	3.
ESE		.										.	4.
SE													
SSE	.											.	5.
S	.	.										.	6.
SSW	.											.	7.
SW													
WSW													
W													
WNW													
NW													
NNW	.											.	8.
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

1

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION STATION NAME YEARS MONTH

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											.	.
NNE													
NE													
ENE													
E	.	.										.	.
ESE													
SE	.											.	2.
SSE	.	.										.	4.
S	.											.	1.
SSW	.											.	2.
SW													
WSW													
W													
WNW													
NW		.										.	4.
NNW													
VARBL													
CALM												.	
	1	.	.	.	.	.	.	.	.	.	.	100	.

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC YEARS: 1977-1978 MONTH: 07

CLASS: ALL HOURS (L.S.T.): 0000-2300

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
NNE	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
NE	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
ENE	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
E	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
ESE	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
SE	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
SSE	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
S	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
SSW	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
SW	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
WSW	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
W	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
WNW	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
NW	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
NNW	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
VARBL	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
CALM	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.											.	.
NE	.											.	.
ENE			.									.	.
E		.										.	.
ESE	.											.	.
SE	.		.									.	.
SSE	.	1.	2.	5.								5.	6.5
S	1.	4.	4.	5.								11.4	6.1
SSW	1.	11.	10.	5.								21.	6.4
SW	1.	10.	10.	5.								19.	6.2
WSW	.	5.	5.	1.								11.3	5.7
W	.	5.	6.									11.	5.5
WNW	.	1.	1.	5.								12.	5.5
NW													
NNW													
VARBL													
CALM													
	1.	5.	3.	2.								10.0	5.5

TOTAL NUMBER OF OBSERVATIONS

SMOS

3
NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: LL YEARS: 1957 MONTH: 1
CLASS: LL HOURS (L.S.T.): 1

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

STATION	STATION NAME	YEARS	NORTH
	ELL		3
	CLASS		HOURS (L.S.T.)
	CONDITION		

[illegible]

TOTAL NUMBER OF OBSERVATIONS

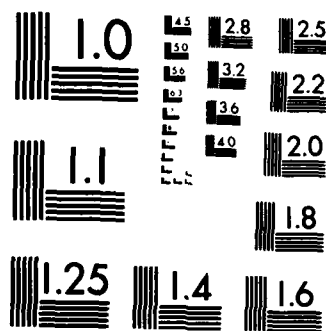
SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
CAMP PENDLETON CALIFORNIA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC SEP 84

214

F/G 4/2

NL

A 10x10 grid of squares, with the top-left square missing, representing a 10x10 grid with a 1x1 hole.



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
3	PEOPLE, GA	71-72-74	10
CLASS		HOURS (L.S.T.)	
ALL		10	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E	.											.	2.0
ESE													
SE	.											.	1.0
SSE	.											.	1.0
S	.	1.0	1.0									2.0	5.1
SSW	.	1.0	1.0									2.0	5.1
SW	.	1.0	1.0									2.0	5.1
WSW												2.0	5.1
W												2.0	5.1
WNW													
NW													
NNW													
VARBL													
CALM													
	10.0	10.0	10.0									30.0	5.1

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 19 MONTH MAY
CLASS ALL WEATHER HOURS (L.S.T.) 22

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												7.7	0.0
NNE													
NE													
ENE													
E													
ESE													
SE	10.4											10.4	2.0
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												76.3	
	10.4	7.7										10.4	0.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)
100	100	100	100	100

[illegible]

TOTAL NUMBER OF OBSERVATIONS

SOWS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1970 MONTH: JUN
CLASS: ALL DATA HOURS (L.S.T.): 01
CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												0.7	2.5
NNE	.7												
NE													
ENE													
E	.7											4.7	3.0
ESE	.7	4.7										0.7	2.5
SE													
SSE													
S													
SSW													
SW	.7											4.7	2.0
WSW													
W													
WNW													
NW													
NNW	.7											4.7	2.0
VARBL													
CALM												10.0	
	.1	4.7										10.0	

TOTAL NUMBER OF OBSERVATIONS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 1971, 72 MONTH 04
CLASS ALL DATA HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E	1.7											7.7	2.0
ESE													
SE													
SSE	1.0											3.0	2.0
S													
SSW													
SW	1.0											2.0	2.0
WSW													
W	1.7	1.0										11.0	2.7
WNW													
NW													
NNW	1.7											7.7	2.0
VARBL													
CALM												5.4	
	20.0	3.0										100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC STATION NUMBER: 6-71,73-75 YEAR: 1977
CLASS: ALL MONTH: 07
HOURS (L.S.T.): 07

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.4	1.1										1.7	3.0
NNE	0.4	1.1										4.5	3.1
NE	0.4	0.6										2.0	2.6
ENE	1.1	1.7										3.0	3.4
E	0.4	0.6										3.4	2.0
ESE	1.1	1.1										1.2	3.3
SE	1.1	1.1	0.4									1.7	6.3
SSE	1.1	0.6										1.7	3.3
S	0.4	2.0	0.4									6.1	3.0
SSW	0.4	0.6										3.0	2.6
SW		1.1										1.1	3.0
WSW	0.4	1.1										4.5	3.0
W	0.4	0.6										5.6	2.3
WNW	1.1	0.6										1.7	3.0
NW	1.1	0.6										1.0	3.3
NNW													
VARBL													
CALM												5.0	
	7.0	15.1	1.1									10.0	1.4

TOTAL NUMBER OF OBSERVATIONS

17

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION ASHEVILLE, NC YEARS 1970 MONTH JAN
 CLASS ALL HOURS (L.S.T.) 12

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE	•											•	2.0
NE													
ENE	•											•	2.0
E	•											•	2.0
ESE													
SE	1.0	1.0											3.0
SSE	1.0	1.0	1.0										1.0
S	1.0	1.0	3.0	1.0								10.0	5.3
SSW	1.0	13.0	6.7									20.0	5.7
SW	2.0	4.0	5.3	1.0								16.4	6.6
WSW	3.0	7.0	4.3	0.5								15.0	5.9
W	1.0	3.0	6.7	0.5								11.0	7.3
WNW		1.0	0.5									2.0	5.4
NW													
NNW													
VARBL													
CALM												4.0	
	17.0	45.0	20.0	7.5								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME STATION 1000, PLEASANT, CO YEARS 67-70 MONTH JUN

CLASS ALL WEATHER HOURS (L.S.T.) 12

CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S	1.0	7.0	7.0	2.4								15.5	7.0
SSW			10.0	2.4								16.7	6.9
SW		4.0	12.0	4.3								21.5	8.5
WSW			12.0	3.1								23.0	9.7
W		1.0	11.0	3.3	0.5							17.2	9.2
WNW													
NW													
NNW													
VARBL													
CALM													
	1.0	21.0	57.0	10.7	0.5							10.0	6.6

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1950-1951 MONTH: JAN
CLASS: ALL HOURS (L.S.T.): 14
CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	5.0	30.0	52.7	15.1								100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

19

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 1970 MONTH JAN

CLASS ALL WEATHER HOURS (L.S.T.) 1

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE		0.4										0.4	0.4
S	0.2	0.7	1.0									1.9	4.4
SSW		0.6	0.4									0.6	0.5
SW	0.1	0.7	0.4									1.2	0.1
WSW	0.1	0.6	1.0									1.7	0.1
W												0.0	0.0
WNW													
NW													
NNW													
VARBL													
CALM												1.0	
	12.0	76.0	10.0									100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 1955 MONTH 12
CLASS 10-100 HOURS (L.S.T.) 24
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	100	200										100	1.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE YEARS: 1971 NORTH: ALL

CLASS: ALL HOURS (L.S.T.): ALL

CONDITION: ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•										•	•
NNE	•	•										•	•
NE	•	•	•									•	•
ENE	•	•	•									•	•
E	•	•	•									•	•
ESE	•	•	•									•	•
SE	•	•	•									•	•
SSE	•	•	•									•	•
S	•	•	•	•								•	•
SSW	•	•	•	•								•	•
SW	•	•	•	•								•	•
WSW	•	•	•	•								•	•
W	•	•	•	•	•							•	•
WNW	•	•	•	•								•	•
NW	•	•	•									•	•
NNW	•											•	•
VARBL												•	•
CALM												•	•
	1 •	• 1	25 • 1	• 5	• 1							•	•

TOTAL NUMBER OF OBSERVATIONS

NAVAL AIRPORT SERVICE
DETACHMENT
ASHEVILLE, NC

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

STATION

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

YEARS

MONTH

MOVIES (L.S.T.)

CLASS

CONDITION

[illegible]

TOTAL NUMBER OF OBSERVATIONS

2.

SOLMS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC MONTH: JUL

STATION: 4 YEARS: 1955 HOURS (L.S.T.): 24

CLASS: ALL

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											.	2.
NNE	.											.	2.
NE		.										.	4.
ENE													
E	.											.	2.
ESE													
SE	.											.	2.
SSE	.											.	2.
S	.											.	2.
SSW													
SW	.											.	2.
WSW													
W	.											.	2.
WNW													
NW													
NNW													
VARBL													
CALM												4.	
	41.	4.										10.	1.1

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: 6-71, 77-16 MONTH: JULY
CLASS: ALL REMAINING
CONDITION: _____
HOURS (LST): _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0											2.0	2.0
NNE	1.0	1.0										2.0	2.0
NE	1.0	1.0										1.0	4.0
ENE	1.0	1.0										3.0	2.0
E	1.0											1.0	2.0
ESE	1.0	1.0										2.0	2.0
SE	1.0	1.0										1.0	2.0
SSE	1.0	1.0										1.0	4.0
S	1.0	1.0										3.0	2.0
SSW	1.0	1.0										1.0	2.0
SW	1.0	1.0										1.0	2.0
WSW	1.0	1.0										1.0	2.0
W	1.0	1.0										5.0	1.0
WNW	1.0	1.0										2.0	3.0
NW	1.0	1.0										2.0	2.0
NNW	1.0	1.0										1.0	4.0
VARBL													
CALM												1.0	
	25.0	12.0	1.0									12.0	1.2

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE MONTH: JUL
 CLASS: ALL YEARS: 1970
 CONDITION:
 HOURS (L & T):

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E												.4	
ESE													
SE													
SSE													
S												2.0	5.3
SSW												10.0	5.7
SW												11.0	5.5
WSW												10.7	5.2
W												14.0	5.2
WNW												10.0	5.2
NW												1.3	5.3
NNW													5.0
VARBL													
CALM												5.0	
	11.0	4.1	12.0	1.0								10.0	5.6

TOTAL NUMBER OF OBSERVATIONS

12

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME NAVY HOSPITAL, CO YEARS 6-70 MONTH JUL

CLASS ALL HOURS (L.S.T.) 17

CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E	.											.4	2.7
ESE			.									.4	2.7
SE												.4	2.7
SSE												.4	2.7
S	.	1.7	7.7	1.7								13.4	5.8
SSW	.	2.7	14.7	1.7								17.4	5.7
SW		2.4	11.2	2.0	.4							21.1	5.4
WSW	.	2.4	11.6	4.7	.4							22.7	5.0
W		2.4	17.2	7.4								21.4	8.9
WNW			.4									1.7	11.7
NW													
NNW													
VARBL													
CALM													
	1.7	17.2	41.6	17.7	.9							10.2	5.7

TOTAL NUMBER OF OBSERVATIONS

272

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC YEARS: 1967 MONTH: JUL

CLASS: ALL HOURS (L.S.T.): 14

CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	10.1	37.3	40.2	16.0	1.0							100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 00 4 NAME CAPE ROULETTE, FL YEARS 1 - 1977 MONTH JUL
 CLASS ALL HOURS (L.S.T.) 10
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	1.											1.	2.0
ENE													
E		1.										1.	5.
ESE													
SE	1.		1.									2.	5.5
SSE		1.										3.	1.
S		12.1	1.									1.2	4.3
SSW	1.	17.7	2.									17.9	4.5
SW	1.	19.	7.3									17.8	5.4
WSW	1.	1.1	1.									13.	4.4
W	1.7	3.										5.1	4.3
WNW													
NW													
NNW													
VARBL													
CALM												1.	
	2.3	6.9	12.									12.9	4.6

TOTAL NUMBER OF OBSERVATIONS

7

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC YEAR: 1972 MONTH: JUL

CLASS: ALL HOURS (L.S.T.): 22

CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											.	2.
NNE													
NE													
ENE													
E													
ESE	.											.	
SE													
SSE	.											.	
S	.	.	.									.	3.
SSW	.											.	1.
SW													
WSW	.											.	2.
W													
WNW													
NW													
NNW													
VARBL													
CALM												.	
	2.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	10.0	1.7

TOTAL NUMBER OF OBSERVATIONS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEARS 1971 MONTH JUL
CLASS ALL MONTH ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1											.1	2.4
NNE	.	.1										.	2.2
NE	.	.										.	2.3
ENE	.	.	.1									.	1.4
E	.	.1	.									.	1.3
ESE	.	.	.									.	1.3
SE	.	.	.									.	1.3
SSE	.	.1	.									1.0	4.0
S	.	.1	.4	.3								1.1	4.3
SSW	.	.1	.4	1.3								1.1	4.3
SW	.	.1	.7	2.0	.1							1.7	6.7
WSW	.1	.1	.1	2.1	.3							1.4	7.7
W	1.4	.1	.1	1.4								1.1	7.3
WNW	.	.	.	.3								1.1	6.4
NW	.	.	.									.1	2.3
NNW	.	.										.	1.3
VARL													
CALM												1.0	
	17.3	2.1	3.1	7.7	.6							10.0	5.5

TOTAL NUMBER OF OBSERVATIONS

111

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC MONTH: 10
STATION: 1000 YEARS: 1950
CLASS: ALL HOURS (L.S.T.): 24

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												0.0	0.0
NNE	0.0											0.0	0.0
NE												0.0	0.0
ENE												0.0	0.0
E	0.0											0.0	0.0
ESE		0.0										0.0	0.0
SE	0.0											0.0	0.0
SSE	0.0											0.0	0.0
S												0.0	0.0
SSW		0.0										0.0	0.0
SW												0.0	0.0
WSW												0.0	0.0
W												0.0	0.0
WNW												0.0	0.0
NW												0.0	0.0
NNW												0.0	0.0
VARBL												0.0	0.0
CALM												0.0	0.0
	10.0	7.0										10.0	0.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC STATION NUMBER: 24666 4422 MONTH: NOV YEAR: 1977 HOURS (L.S.T.): 00

CLASS: ALL

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0											0.0	2.0
NNE	0	1.0										1.0	4.0
NE	0	1.0										1.0	3.0
ENE	0	1.0										1.0	2.0
E	0											0.0	2.0
ESE													
SE													
SSE													
S		1.0										1.0	4.0
SSW	0											0.0	2.0
SW													
WSW	0	1.0										1.0	3.0
W	0											0.0	2.0
WNW	0											0.0	2.0
NW	0											0.0	1.0
NNW	0	1.0										1.0	1.0
VARBL													
CALM												5.4	
	2.0	11.0										13.0	1.1

TOTAL NUMBER OF OBSERVATIONS

SMOS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1957 MONTH 7

CLASS ALL MOORE (L S T) 7

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0											1.0	2.0
NNE	1.0	2.0										3.0	2.0
NE	1.0	1.0										2.0	2.0
ENE	2.0	1.0										3.0	2.0
E	2.0	1.0										3.0	2.0
ESE	1.0	1.0										2.0	2.0
SE	1.0											1.0	2.0
SSE	1.0											2.0	1.0
S	1.0	1.0										2.0	3.4
SSW	1.0											2.0	2.0
SW	1.0	1.0										2.0	2.0
WSW	1.0											1.0	2.0
W	1.0	2.0										3.0	2.0
WNW	1.0	1.0	1.0									4.0	4.0
NW	1.0	1.0										3.0	2.0
NNW	1.0	1.0										2.0	2.0
VARBL													
CALM													
	11.0	11.0	1.0									10.0	1.3

TOTAL NUMBER OF OBSERVATIONS

2

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MOUTH

MOON (L S Y.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											.	1.
NNE													
NE													
ENE													
E	.											.	2.
ESE	.											.	1.
SE		.										.	4.
SSE	.	.	.									.	3.
S	.	.	1.									1.2	4.
SSW	.	1.	2.									2.	3.4
SW	.	.	2.									11.2	3.3
WSW	.	2.	2.	.								15.	4.2
W	.	2.	2.	.								16.	3.3
WNW	.	.	.									1.	2.1
NW												.	2.
NNW													
VARBL													
CALM												.	
	11.	46.	34.	1.2								10.7	4.6

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S	1.1	0.0	6.6	1.1								0.0	0.0
SSW	1.1	0.0	1.1	1.1								1.1	6.6
SW	0.0	6.6	15.0	7.7	0.0							1.1	7.7
WSW	0.0	0.7	14.0	6.6	0.0							24.6	7.4
W	0.0	0.0	1.1	2.2	0.0							16.0	7.9
WNW			0.0									0.0	7.0
NW													
NNW													
VARBL													
CALM												0.0	
	0.2	26.7	55.0	15.7	1.1							10.0	0.0

TOTAL NUMBER OF OBSERVATIONS

1

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEAR

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.											1.	2.
NNE													
NE													
ENE													
E		1.										1.	4.
ESE	1.											1.	7.
SE	1.											1.	2.
SSE	.	1.										1.	4.
S	.	1.										1.	4.
SSW	1.	1.										1.	3.
SW	.	.	2.									1.	4.
WSW	7.	7.	2.									1.	3.
W	.	7.	4.									1.	4.
WNW													
NW													
NNW													
VARBL													
CALM													
	1.	6.	7.									1.	1.

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME ASHEVILLE, NC MONTH 2
CLASS 10-100 YEARS 2
CONDITION
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											0.0	2.0
NNE													
NE													
ENE													
E												0.0	0.0
ESE	.												
SE													
SSE													
S												0.0	0.0
SSW	.												
SW													
WSW	.											10.0	2.0
W	.											0.0	2.0
WNW	.											0.0	0.0
NW	.											0.0	0.0
NNW	.											0.0	0.0
VARBL												0.0	0.0
CALM												0.0	1.0
	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	1.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: ASHEVILLE, NC MONTH: ALL YEAR: 1957

CLAS: ALL HOURS: 11-5

CONDITION:

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	•											1.0	1.0
NNE	•	•		•								1.0	4.4
NE	•	•										•	•
ENE	•	•										1.0	2.0
E	•	•										1.0	2.0
ESE	•	•										•	•
SE	•	•										•	•
SSE	•	•										2.0	•
S	1.0	4.0	2.0	•								•	•
SSW	•	•	•	•								1.0	4.0
SW	•	•	•	•	•							•	•
WSW	•	•	•	•	•							1.0	•
W	•	•	•	•	•							1.0	•
WNW	•	•	•									1.0	•
NW	•	•	•									•	•
NNW	•	•										•	•
VARBL													
CALM													
	1.0	•	3.0	•	•							•	•

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME STATION 41010101 YEARS 1950-1951 MONTH 1

CLASS ALL HOURS (L & T) 1

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											1.	1.
NNE	.	.										.	4.
N E	.	.	.									10.	7.
ENE	.	.	.	.								6.	5.
E	.	.	.	.								6.	5.
ESE	.	.	.									7.	7.
SE	.	.	.									.	7.
SSE	.	.	.									1.	7.
S	1.	1.	.									2.	2.
SSW	.	.	.									3.	7.
SW	.	.	.	.								1.	7.
WSW	.	.	.	.								1.	7.
W	.	.	.	.								3.	7.
WNW													4.
NW													
NNW													
VARBL													
CALM													
	1.	7.	.	1.								10.	2.

TOTAL NUMBER OF OBSERVATIONS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE, NC YEAR 1977 MONTH 06

CLASS LL HOURS (L.S.T.) 06

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0											1.0	2.0
NNE	1.0	1.0										2.0	2.1
NE	1.0	1.0										12.0	2.3
ENE	1.0	1.0										1.0	2.2
E	1.0	1.0										12.0	2.1
ESE	1.0	1.0										1.0	2.7
SE	1.0											1.0	2.0
SSE	1.0	1.0										1.0	2.7
S													
SSW													
SW		1.0										1.0	2.0
WSW												1.0	2.0
W	1.0											1.0	1.0
WNW	1.0											1.0	1.0
NW												1.0	2.0
NNW	1.0											1.0	2.0
VARBL													
CALM												1.0	2.1

TOTAL NUMBER OF OBSERVATIONS

5

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•	•	•	•	•	•	•	•	•	•	•	•	2.7
NNE	•	1.0	•	•	•	•	•	•	•	•	•	•	1.0
NE	•	4.0	•	•	•	•	•	•	•	•	•	•	2.6
ENE	•	2.7	•	•	•	•	•	•	•	•	•	•	1.3
E	•	•	•	•	•	•	•	•	•	•	•	•	4.0
ESE	•	•	•	•	•	•	•	•	•	•	•	•	1.0
SE	•	•	•	•	•	•	•	•	•	•	•	•	3.0
SSE	•	•	•	•	•	•	•	•	•	•	•	•	1.0
S	•	•	•	•	•	•	•	•	•	•	•	•	2.0
SSW	1.0	•	•	•	•	•	•	•	•	•	•	•	2.0
SW	•	•	•	•	•	•	•	•	•	•	•	•	2.0
WSW	•	•	•	•	•	•	•	•	•	•	•	•	3.0
W	1.4	•	•	•	•	•	•	•	•	•	•	•	1.0
WNW	•	1.0	•	•	•	•	•	•	•	•	•	•	5.6
NW	•	1.0	•	•	•	•	•	•	•	•	•	•	1.0
NNW	1.0	•	•	•	•	•	•	•	•	•	•	•	2.0
VARBL	•	•	•	•	•	•	•	•	•	•	•	•	•
CALM	•	•	•	•	•	•	•	•	•	•	•	•	•
	1.0	17.0	7.0	•	•	•	•	•	•	•	•	15.0	1.0

TOTAL NUMBER OF OBSERVATIONS

71

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.Y.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	200	400	200	00								1000	100

TOTAL NUMBER OF OBSERVATIONS

2 3

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
			1
	CLASS		HOURS (L S Y)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	10.1	17.1	55.0	11.4	2.0							100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

MONTH

MOVIES (A S T

CLASS

CONDITION[illegible]

TOTAL NUMBER OF OBSERVATIONS

—

SOWS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE MONTH 1
CLASS ALL YEARS 1950-1951
CONDITION
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													1.5
NNE		1.										1.	5.
NE		1.										1.	6.
ENE		1.										2.	7.
E		1.	1.									1.	1.
ESE		1.										1.	7.
SE	1.											1.	2.7
SSE	6.	2.										13.	4.
S	1.	4.										1.	1.
SSW	1.	1.	1.									1.	3.
SW	6.	4.	1.									1.	4.1
WSW	1.	1.	3.									1.	2.
W	1.											1.	2.
WNW	1.											1.	2.
NW												1.	2.
NNW												1.	2.
VARBL												1.	2.
CALM												1.	2.
	1.	1.	1.									1.	2.

TOTAL NUMBER OF OBSERVATIONS

**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

STATION	STATION NAME	YEARS	NORTH
	L L C S T		0
	CLASS		HOURS (L.S.T.)
	CONDITION		

[illegible]

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

ALL

ALL

HOURS (LST)

CLASS

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	10.	2.0
NNE	.	1.	.	.	.	.	.	.	.	.	.	10.	3.0
NE	.	2.	.	.	.	.	.	.	.	.	.	10.	4.0
ENE	1.	1.	.	1.	.	.	.	.	.	.	.	10.	5.0
E	1.	1.	.	.	.	.	.	.	.	.	.	10.	6.0
ESE	.	.	.	.	.	.	.	.	.	.	.	10.	7.0
SE	.	.	.	.	.	.	.	.	.	.	.	10.	8.0
SSE	.	1.	.	1.	.	.	.	.	.	.	.	10.	9.0
S	.	2.	.	1.	.	.	.	.	.	.	.	10.	10.0
SSW	.	2.	2.	1.	.	.	.	.	.	.	.	10.	11.0
SW	1.	2.	2.	1.	1.	.	.	.	.	.	.	10.	12.0
WSW	1.	2.	2.	1.	1.	1.	.	.	.	.	.	10.	13.0
W	1.	2.	2.	2.	1.	1.	.	.	.	.	.	10.	14.0
WNW	.	.	.	.	.	.	.	.	.	.	.	10.	15.0
NW	.	.	.	.	.	.	.	.	.	.	.	10.	16.0
NNW	.	.	.	.	.	.	.	.	.	.	.	10.	17.0
VARBL	.	.	.	.	.	.	.	.	.	.	.	10.	18.0
CALM	.	.	.	.	.	.	.	.	.	.	.	10.	19.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											2.0	2.0
NNE	.											2.0	2.0
NE	.	.										1.0	4.0
ENE	.	.										2.0	2.0
E	.	.	.									2.0	2.0
ESE	.	.										1.0	2.0
SE	.	.										2.0	2.0
SSE	.	.										1.0	2.0
S	.	.	.									2.0	2.0
SSW	.	.										1.0	2.0
SW	.	.										2.0	2.0
WSW	.	.										2.0	2.0
W	.	.	.									2.0	2.0
WNW	.	.										2.0	2.0
NW	.	.										2.0	2.0
NNW	.	.										2.0	2.0
VARBL													
CALM													
		.										1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0
NNE	1.0	2.0
NE	1.0	2.0
ENE	1.0	2.0
E	1.0	2.0
ESE	1.0	2.0
SE	1.0	2.0
SSE	1.0	2.0
S	1.0	2.0
SSW	1.0	2.0
SW	1.0	2.0
WSW	1.0	2.0
W	1.0	2.0
WNW	1.0	2.0
NW	1.0	2.0
NNW	1.0	2.0
VARBL	1.0	2.0
CALM	1.0	2.0
	1.0	2.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ YEARS _____ MONTH _____

STATION NAME _____

CLASS _____

CONDITION _____

MOORE (L.S.T.) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0
NNE	1.0
NE	1.0
ENE	1.0
E	1.0
ESE	1.0
SE	1.0
SSE	1.0
S	1.0
SSW	1.0
SW	1.0
WSW	1.0
W	1.0
WNW	1.0
NW	1.0
NNW	1.0
VARBL	1.0
CALM	1.0
	2.0	1.0	4.0	1.0								10.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME ASHEVILLE YEARS 1957 MONTH 1
CLASS 1 HOURS (L.S.T.) 1

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N1	6.1
NNE1	6.4
NE
ENE	1.	1.	.	.	.	.	.	.	.	.	.	.4	.
E	1.	1.	.	.	.	.	.	.	.	.	.	.3	.
ESE	1.	.	.	.	.	.	.	.	.	.	.	.1	.
SE1	.
SSE	.	1.	.	.	.	.	.	.	.	.	.	.1	4.
S1	7.
SSW
SW	4.
WSW	.	4.	1.	.	.	.	.	.	.	.	.	.1	1.1
W	.	.	1.	.	.	.	.	.	.	.	.	.4	6.1
WNW
NW
NNW
VARBL
CALM	.	12.	.	1.1	.	.	.	.	.	.	.	.1	10.

TOTAL NUMBER OF OBSERVATIONS

23

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEAR _____ MONTH _____

CLASS _____

CONDITION _____

MOORE (L S Y) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			•		•							•	17.0
NNE		•	•									1.1	7.7
NE													
ENE													
E													
ESE													
SE													
SSE		•	•									•	•
S	•	•	•	•								•	•
SSW	•	•	•	•								•	•
SW	•	•	•	•								•	•
WSW	•	•	•	1.1								•	•
W	•	17.0	11.0	4.0								•	•
WNW	•	•	•	•								•	•
NW		•	•	•								•	•
NNW													
VARBL													
CALM													
	1.1	4.0	7.0	7.0	•							1.1	5.0

TOTAL NUMBER OF OBSERVATIONS

15

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	•											•	2.0
NE		•										•	3.0
ENE	•	•										•	3.3
E	•	•										•	3.7
ESE													
SE													
SSE	•											•	3.0
S	•	•										•	3.3
SSW	•	•										•	3.0
SW	•	•										•	3.3
WSW	•	•										•	3.0
W	•	•										•	3.1
WNW	•											•	3.3
NW												•	3.0
NNW	•											•	3.0
VARBL													
CALM												•	
	3 •	1 •										15.0	1.4

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.											1.	1.
NNE	.											2.	1.
NE	.	.										7.8	.
ENE	.	.										.	2.
E	.	.										.	2.
ESE	1.											1.	1.
SE	1.											1.	1.
SSE	1.											1.	2.
S	.	.										7.	1.
SSW													.
SW	1.	1.										.	.
WSW													.
W	.											7.	1.7
WNW	1.											1.	1.
NW													
NNW													
VARBL													
CALM												5.	
	.	1.										100.	1.2

TOTAL NUMBER OF OBSERVATIONS

7

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L S T)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ STATION _____ YEARS _____ MONTH _____

HOURS (L S Y.) _____

CLASS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.								.	1.0
NNE	.											.	2.0
NE													
ENE													
E	.	.										.	3.0
ESE	.											.	4.0
SE	.											.	5.0
SSE												.	6.0
S	.											.	7.0
SSW												.	8.0
SW													
WSW													
W													
WNW													
NW													
NNW	.											.	2.0
VARBL													
CALM												.	
	1.1

TOTAL NUMBER OF OBSERVATIONS _____

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L S Y.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
E
ESE
SE
SSE
S
SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ MONTH _____

STATION _____ YEARS _____

CLASS _____ HOURS (L S Y) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
AGRIVILLE, NC

STATION NAME _____ STATION _____ MONTH _____

CLASS _____ YEAR _____

CONDITION _____

MOORE (L.S.T.) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											.	.
NNE													
NE		.										.	.
ENE		.										1.	.
E		.										1.	.
ESE													
SE		.	.									.	.
SSE	.	.	.									2.	1.4
S	.	.	.	.								1.	.
SSW	.	.	.	.								1.	1.6
SW	.	.	.	.								1.	1.1
WSW	.	.	.	.								1.	.
W	.	.	.	.	.							1.	1.6
WNW	.	.	.	.	.							1.	.
NW	.	.	.	.	.							1.	.
NNW	.	.	.	.	.							1.	.
VARBL													
CALM													
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME _____ STATION _____

YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: _____ MONTH: _____

STATION: _____ YEARS: _____

CLASS: _____

CONDITION: _____

MOORE (L.S.T.): _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ESE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											0.1	2.0
NNE	.	.										0.1	2.0
NE	.	.										0.1	2.0
ENE	.		.									0.1	4.0
E	.		.									0.1	2.0
ESE	.											0.1	2.0
SE													
SSE													
S													
SSW	.											0.1	2.0
SW													
WSW													
W		.										0.1	2.0
WNW													
NW													
NNW													
VARBL													
CALM												10.0	
	3.0	0.0	0.0									10.0	0.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													4.5
NNE													7.2
NE												16.0	4.2
ENE													
E													2.5
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													4.3
WNW													2.7
NW													
NNW													
VARBL													
CALM												4.0	
	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	1.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	1.7								1.0	2.0
NNE	.	.	.									1.0	2.0
NE	.	.	4.0									1.0	3.4
ENE	1.0	1.0	1.0									1.0	4.0
E	1.0	1.0	1.0									1.0	4.0
ESE												1.0	12.0
SE	.											1.0	1.7
SSE	.		.									1.0	4.0
S	.		.	.								1.0	7.3
SSW												1.0	1.0
SW	1.0											1.0	3.0
WSW			.									1.0	1.0
W												1.0	1.0
WNW												1.0	1.0
NW	1.0											1.0	2.0
NNW	.	1.0	.									1.0	4.0
VARBL												1.0	1.0
CALM												1.0	1.0
												1.0	2.0

TOTAL NUMBER OF OBSERVATIONS

1

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: STATION: MONTH: YEARS: HOURS (L.S.T.):

CLASS: CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.1
NNE	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.1
NE	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.1
ENE	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.1
E	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.1
ESE	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.1
SE	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.1
SSE	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.1
S	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.1
SSW	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.1
SW	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.1
WSW	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.1
W	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.1
WNW	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.1
NW	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.1
NNW	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.1
VARBL	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.1
CALM	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.1
	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.1

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0
NNE	1.0	1.0
NE	1.0	1.0
ENE	1.0	1.0
E	1.0	1.0
ESE	1.0	1.0
SE	1.0	1.0
SSE	1.0	1.0
S	1.0	1.0
SSW	1.0	1.0
SW	1.0	1.0
WSW	1.0	1.0
W	1.0	1.0
WNW	1.0	1.0
NW	1.0	1.0
NNW	1.0	1.0
VARBL	1.0	1.0
CALM	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	1.								1.	0.7
NNE	.		.	1.								1.	0.7
NE		.	1.									1.	0.7
ENE		.										.	0.7
E												.	0.7
ESE													
SE		.										.	0.7
SSE	.	.	1.									.	0.7
S	.	1.	.			.						1.	0.7
SSW	.	1.	.	.								1.	0.7
SW	.	.	.									1.	0.7
WSW	.	.	.	1.								1.	0.7
W	.	.	.	.								1.	0.7
WNW	.	.	1.	.								1.	0.7
NW	.	.	1.									1.	0.7
NNW	.											.	0.7
VARBL												.	0.7
CALM												.	0.7
	1	1	2	1		1						1	0.7

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

NORTH

CLASS

MOUSE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											.	.
NNE
NE	.	.										1.	.
ENE		.										.	.
E		.										.	.
ESE	.											.	.
SE												.	.
SSE
S	.											1.	.
SSW												.	.
SW			.									1.	.
WSW				.								1.	1.
W	.											1.	.
WNW			.									1.	.
NW	.											1.	.
NNW	.	.										1.	.
VARBL												.	.
CALM												1.	1.

TOTAL NUMBER OF OBSERVATIONS

SMOS

3

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	•											•	1.0
NNE	•											•	1.0
NE	•	•										•	1.0
ENE	•	•	•									•	1.0
E	•	•	•									•	1.0
ESE	•	•	•									•	1.0
SE	•	•	•									•	1.0
SSE													
S													
SSW													
SW													
WSW													
W		•										•	1.0
WNW												•	1.0
NW												•	1.0
NNW												•	1.0
VARBL													
CALM													
	•	•	•	•	•	•	•	•	•	•	•	•	1.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

71	HOURS (L.S.T.)
MONTH	

YEARS

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

CLASS

CONDITION

[illegible]

TOTAL NUMBER OF OBSERVATIONS

SOMS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

NOCD, Federal Building
Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	≥ 0
NO CEILING												
1800												
1500					91.0							92.6
1200												
1000												
900												
800												
700												
600												
500										97.4		98.1
400												
300												
200												
100												
0					95.4		96.9			98.3		100.0

- EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
- EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.
- EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10
 Scattered converted to 3/10
 Broken converted to 9/10
 Overcast converted to 10/10
 Obscured converted to 10/10

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
≥ 20000	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
18000	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
16000	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
14000	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
12000	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
10000	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
9000	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
8000	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
7000	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
6000	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
5000	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
4500	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
4000	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
3500	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
3000	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
2500	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
2000	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
1800	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
1500	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
1200	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
1000	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
900	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
800	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
700	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
600	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
500	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
400	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
300	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
200	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
100	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1
0	1.0	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1	1.0	4.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

HOURS (L S Y)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 20000	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
18000	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
16000	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
14000	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
12000	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
10000	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
9000	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
8000	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
7000	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
6000	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
5000	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
4500	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
4000	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
3500	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
3000	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2500	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2000	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
1800	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
1500	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
1200	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
1000	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
900	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
800	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
700	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
600	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
500	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
400	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
300	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
200	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
100	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
0	1.0	4.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVUCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													TOTAL NUMBER OF OBSERVATIONS
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	100	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 20000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
900	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0	0	0
700	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURLY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DATE
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT WASHINGTON

STATION NAME
MONTH
HOURS 11 57

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼
NO CEILING												≥ 0
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
≥ 5000													
≥ 4500													
≥ 4000													
≥ 3500													
≥ 3000													
≥ 2500													
≥ 2000													
≥ 1800													
≥ 1500													
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING ≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 18000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 16000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 14000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 12000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 10000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 9000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 8000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 7000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 6000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 5000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 4500	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 4000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 3500	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 3000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 2500	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 2000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 1800	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 1500	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 1200	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 1000	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 900	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 800	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 700	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 600	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 500	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 400	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 300	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 200	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 100	•	•	•	•	•	•	•	•	•	•	•	•	•
AI 0	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
AI 20000												
AI 18000												
AI 16000												
AI 14000												
AI 12000												
AI 10000												
AI 9000												
AI 8000												
AI 7000												
AI 6000												
AI 5000												
AI 4500												
AI 4000												
AI 3500												
AI 3000												
AI 2500												
AI 2000												
AI 1800												
AI 1500												
AI 1200												
AI 1000												
AI 900												
AI 800												
AI 700												
AI 600												
AI 500												
AI 400												
AI 300												
AI 200												
AI 100												
AI 0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME: ASHEVILLE YEAR: 1954 MONTH: ALL HOURS (L S Y): ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
18000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
16000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
14000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
12000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
10000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
9000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
8000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
7000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
6000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
5000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
4500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
4000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
900	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
700	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
600	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
400	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
300	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
100	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													
20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

AD-A150 482

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
CAMP PENDLETON CALIFORNIA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC SEP 84

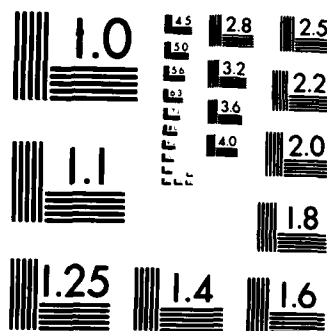
34

UNCLASSIFIED

F/G 4/2

NL

A 10x10 grid of squares, with the top-left square missing, forming a shape resembling a staircase or a corner.



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1 1/8	≥ 1	≥ 3/4	≥ 1/2	≥ 0
NO CEILING ≥ 2000	10.7	6.0	6.0	1.4	6.1	4.4	17.0	1.0	6.0	6.0	62.0	42.0	62.0
≥ 1800	11.0	6.0	6.0	1.4	6.1	4.4	17.0	1.0	6.0	6.0	62.0	42.0	62.0
≥ 1600	12.4	6.0	6.0	1.4	6.1	4.4	17.0	1.0	6.0	6.0	62.0	42.0	62.0
≥ 1400	12.4	6.0	6.0	1.4	6.1	4.4	17.0	1.0	6.0	6.0	62.0	42.0	62.0
≥ 1200	13.0	6.0	6.0	1.4	6.1	4.4	17.0	1.0	6.0	6.0	62.0	42.0	62.0
≥ 1000	14.0	6.0	6.0	1.4	6.1	4.4	17.0	1.0	6.0	6.0	62.0	42.0	62.0
≥ 900	16.0	6.0	6.0	1.4	6.1	4.4	17.0	1.0	6.0	6.0	62.0	42.0	62.0
≥ 800	16.0	6.0	6.0	1.4	6.1	4.4	17.0	1.0	6.0	6.0	62.0	42.0	62.0
≥ 700	16.0	6.0	6.0	1.4	6.1	4.4	17.0	1.0	6.0	6.0	62.0	42.0	62.0
≥ 600	16.0	6.0	6.0	1.4	6.1	4.4	17.0	1.0	6.0	6.0	62.0	42.0	62.0
≥ 500	16.0	6.0	6.0	1.4	6.1	4.4	17.0	1.0	6.0	6.0	62.0	42.0	62.0
≥ 400	16.0	6.0	6.0	1.4	6.1	4.4	17.0	1.0	6.0	6.0	62.0	42.0	62.0
≥ 300	16.0	6.0	6.0	1.4	6.1	4.4	17.0	1.0	6.0	6.0	62.0	42.0	62.0
≥ 200	16.0	6.0	6.0	1.4	6.1	4.4	17.0	1.0	6.0	6.0	62.0	42.0	62.0
≥ 100	16.0	6.0	6.0	1.4	6.1	4.4	17.0	1.0	6.0	6.0	62.0	42.0	62.0
0	16.0	6.0	6.0	1.4	6.1	4.4	17.0	1.0	6.0	6.0	62.0	42.0	62.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME: ASHEVILLE YEARS: 1954 MONTH: 12 HOURS (LST): 12

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 20000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 18000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 16000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 14000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 12000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 10000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 9000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 8000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 7000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 6000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 5000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 4500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 4000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 3500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 3000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

HOURS 11 5 1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 18000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 16000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 14000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 12000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 10000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 9000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 8000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 7000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 6000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 5000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 4500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 4000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 3500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 3000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 2500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 2000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 1800	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 1500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 1200	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 1000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 900	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 800	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 700	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 600	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 400	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 300	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 200	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 100	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
AI 0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 1/8	≥ 0
NO CEILING	11.1	10.0	9.1	8.2	7.3	6.4	5.5	4.6	3.7	2.8	1.9	1.0	0.1	0.0
≥ 20000	4.0	4.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18000	4.0	4.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16000	4.0	4.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

196

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING ≥ 20000	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
AI 18000	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
AI 16000	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
AI 14000	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
AI 12000	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
AI 10000	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
AI 9000	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
AI 8000	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
AI 7000	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
AI 6000	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
AI 5000	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
AI 4500	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
AI 4000	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
AI 3500	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
AI 3000	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
AI 2500	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
AI 2000	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
AI 1800	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
AI 1500	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
AI 1200	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
AI 1000	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
900	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
800	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
700	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
600	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
500	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
400	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
300	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
200	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
100	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0
0	1.0	4.0	5.0	1.0	5.0	7.0	6.0	6.0	4.0	1.0	6.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

STATION NAME
YEARS
MONTH
C L
HOURS (L G T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	93.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 2000	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
18000	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
16000	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
14000	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
12000	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
10000	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
9000	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
8000	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
7000	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
6000	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
5000	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
4500	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
4000	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
3500	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
3000	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
2500	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
2000	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
1800	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
1500	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
1200	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
1000	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
900	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
800	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
700	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
600	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
500	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
400	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
300	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
200	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
100	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
0	43.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION NAME
YEARS
MONTH
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 20000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 18000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 16000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 14000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 12000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 10000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 9000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 8000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 7000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 6000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 5000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 4500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 4000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 3500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 3000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 2500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 2000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 1800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 1500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 1200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 1000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 900	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 700	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 600	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 400	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 300	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 100	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

DIRECTION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME
YEARS
MONTH
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
≥ 20000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 18000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 16000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 14000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 12000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 10000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 9000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 8000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 7000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 6000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 5000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 4500	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 4000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 3500	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 3000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 2500	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 2000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 1800	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 1500	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 1200	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 1000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 900	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 800	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 700	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 600	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 500	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 400	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 300	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 200	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
≥ 100	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING ≥ 20000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
18000 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
16000 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
14000 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
12000 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
10000 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
9000 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
8000 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
7000 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
6000 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
5000 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
4500 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
4000 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
3500 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
3000 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
2500 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
2000 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
1800 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
1500 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
1200 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
1000 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
900 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
800 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
700 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
600 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
500 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
400 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
300 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
200 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
100 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
0 AI AI	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION NAME

YEARS

MONTH

HOURS - U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
At 18000													
At 16000													
At 14000													
At 12000													
At 10000													
At 9000													
At 8000													
At 7000													
At 6000													
At 5000													
At 4500													
At 4000													
At 3500													
At 3000													
At 2500													
At 2000													
At 1800													
At 1500													
At 1200													
At 1000													
At 900													
At 800													
At 700													
At 600													
At 500													
At 400													
At 300													
At 200													
At 100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME
1577
MONTH

STATION NAME

TEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME YEARS MONTH
 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING												
≥ 20000												
≥ 18000												
≥ 16000												
≥ 14000												
≥ 12000												
≥ 10000												
≥ 9000												
≥ 8000												
≥ 7000												
≥ 6000												
≥ 5000												
≥ 4500												
≥ 4000												
≥ 3500												
≥ 3000												
≥ 2500												
≥ 2000												
≥ 1800												
≥ 1500												
≥ 1200												
≥ 1000												
≥ 900												
≥ 800												
≥ 700												
≥ 600												
≥ 500												
≥ 400												
≥ 300												
≥ 200												
≥ 100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING													≥ 0
≥ 20000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 18000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 16000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 14000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 12000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 10000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 9000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 8000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 7000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 6000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 5000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 4500	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 4000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 3500	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 3000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 2500	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 2000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 1800	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 1500	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 1200	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 1000	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 900	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 800	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 700	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 600	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 500	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 400	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 300	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 200	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 100	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
≥ 0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME: ASHEVILLE YEAR: 1972 MONTH: 7 HOURS (LST): 7

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING ≥ 20000	17.0	17.0	21.0	17.0	17.0	11.0	12.0	22.0	22.0	22.0	22.0	22.0	21.1
18000 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
16000 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
14000 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
12000 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
10000 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
9000 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
8000 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
7000 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
6000 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
5000 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
4500 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
4000 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
3500 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
3000 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
2500 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
2000 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
1800 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
1500 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
1200 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
1000 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
900 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
800 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
700 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
600 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
500 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
400 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
300 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
200 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
100 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2
0 AI AI	17.0	21.4	22.0	22.0	22.0	17.0	17.0	22.0	22.0	22.0	22.0	22.0	24.2

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MOUTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
18000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
16000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
14000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
12000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
10000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
9000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
8000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
7000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
6000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
5000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
4500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
4000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1800	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1200	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1000	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
900	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
800	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
700	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
600	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
500	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
400	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
300	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
200	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
100	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	54.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 2000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 1800	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 1600	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 1400	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 1200	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 1000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 900	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 800	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 700	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 600	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 500	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 400	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 300	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 200	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 100	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0

TOTAL NUMBER OF OBSERVATIONS

107

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

[illegible]

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												
≥ 20000												
≥ 18000												
≥ 16000												
≥ 14000												
≥ 12000												
≥ 10000												
≥ 9000												
≥ 8000												
≥ 7000												
≥ 6000												
≥ 5000												
≥ 4500												
≥ 4000												
≥ 3500												
≥ 3000												
≥ 2500												
≥ 2000												
≥ 1800												
≥ 1500												
≥ 1200												
≥ 1000												
≥ 900												
≥ 800												
≥ 700												
≥ 600												
≥ 500												
≥ 400												
≥ 300												
≥ 200												
≥ 100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNA VOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

YEARS

MONTH

MOVIES (L & T) :

VISIBILITY (STATUTE MILES)

CEILING (FEET)		VISIBILITY (STATUTE MILES)													
		≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
AI	≥ 20000														
AI	18000														
AI	16000														
AI	14000														
AI	12000														
AI	10000														
AI	9000														
AI	8000														
AI	7000														
AI	6000														
AI	5000														
AI	4500														
AI	4000														
AI	3500														
AI	3000														
AI	2500														
AI	2000														
AI	1800														
AI	1500														
AI	1200														
AI	1000														
AI	900														
AI	800														
AI	700														
AI	600														
AI	500														
AI	400														
AI	300														
AI	200														
AI	100														
AI	0														

TOTAL NUMBER OF OBSERVATIONS

DIRNA VOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME _____ YEAR _____ MONTH _____ DAY _____ HOURS (L.S.T.) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING ≥ 20000	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
18000 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
16000 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
14000 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
12000 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
10000 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
9000 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
8000 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
7000 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
6000 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
5000 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
4500 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
4000 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3500 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3000 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2500 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2000 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1800 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1500 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1200 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1000 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
900 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
800 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
700 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
600 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
500 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
400 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
300 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
200 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
100 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
0 AI AI	1.0	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•
At 18000	•	•	•	•	•	•	•	•	•	•	•	•
At 16000	•	•	•	•	•	•	•	•	•	•	•	•
At 14000	•	•	•	•	•	•	•	•	•	•	•	•
At 12000	•	•	•	•	•	•	•	•	•	•	•	•
At 10000	•	•	•	•	•	•	•	•	•	•	•	•
At 9000	•	•	•	•	•	•	•	•	•	•	•	•
At 8000	•	•	•	•	•	•	•	•	•	•	•	•
At 7000	•	•	•	•	•	•	•	•	•	•	•	•
At 6000	•	•	•	•	•	•	•	•	•	•	•	•
At 5000	•	•	•	•	•	•	•	•	•	•	•	•
At 4500	•	•	•	•	•	•	•	•	•	•	•	•
At 4000	•	•	•	•	•	•	•	•	•	•	•	•
At 3500	•	•	•	•	•	•	•	•	•	•	•	•
At 3000	•	•	•	•	•	•	•	•	•	•	•	•
At 2500	•	•	•	•	•	•	•	•	•	•	•	•
At 2000	•	•	•	•	•	•	•	•	•	•	•	•
At 1800	•	•	•	•	•	•	•	•	•	•	•	•
At 1500	•	•	•	•	•	•	•	•	•	•	•	•
At 1200	•	•	•	•	•	•	•	•	•	•	•	•
At 1000	•	•	•	•	•	•	•	•	•	•	•	•
At 900	•	•	•	•	•	•	•	•	•	•	•	•
At 800	•	•	•	•	•	•	•	•	•	•	•	•
At 700	•	•	•	•	•	•	•	•	•	•	•	•
At 600	•	•	•	•	•	•	•	•	•	•	•	•
At 500	•	•	•	•	•	•	•	•	•	•	•	•
At 400	•	•	•	•	•	•	•	•	•	•	•	•
At 300	•	•	•	•	•	•	•	•	•	•	•	•
At 200	•	•	•	•	•	•	•	•	•	•	•	•
At 100	•	•	•	•	•	•	•	•	•	•	•	•
0	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION NAME

YEARS

1954
MAY

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING ≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18000 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16000 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14000 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12000 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10000 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9000 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8000 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7000 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6000 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5000 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4500 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4000 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3500 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3000 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2500 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2000 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1800 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1500 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1200 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0 AI AI	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNA VOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME: 125 125 125 125 YEARS: 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 NORTH
HOURS (LST): 0000 0100 0200 0300 0400 0500 0600 0700 0800 0900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0		
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHIEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														≥ 0
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME YEARS MONTH HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													≥ 0
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
≥ 5000													
≥ 4500													
≥ 4000													
≥ 3500													
≥ 3000													
≥ 2500													
≥ 2000													
≥ 1800													
≥ 1500													
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING														
≥ 20000														
≥ 18000														
≥ 16000														
≥ 14000														
≥ 12000														
≥ 10000														
≥ 9000														
≥ 8000														
≥ 7000														
≥ 6000														
≥ 5000														
≥ 4500														
≥ 4000														
≥ 3500														
≥ 3000														
≥ 2500														
≥ 2000														
≥ 1800														
≥ 1500														
≥ 1200														
≥ 1000														
≥ 900														
≥ 800														
≥ 700														
≥ 600														
≥ 500														
≥ 400														
≥ 300														
≥ 200														
≥ 100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING ≥ 20000														
≥ 18000 At At														
≥ 16000 At At														
≥ 14000 At At														
≥ 12000 At At														
≥ 10000 At At														
≥ 9000 At At														
≥ 8000 At At														
≥ 7000 At At														
≥ 6000 At At														
≥ 5000 At At														
≥ 4500 At At														
≥ 4000 At At														
≥ 3500 At At														
≥ 3000 At At														
≥ 2500 At At														
≥ 2000 At At														
≥ 1800 At At														
≥ 1500 At At														
≥ 1200 At At														
≥ 1000 At At														
≥ 900 At At														
≥ 800 At At														
≥ 700 At At														
≥ 600 At At														
≥ 500 At At														
≥ 400 At At														
≥ 300 At At														
≥ 200 At At														
≥ 100 At At														
0 At At														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
≥ 5000													
≥ 4500													
≥ 4000													
≥ 3500													
≥ 3000													
≥ 2500													
≥ 2000													
≥ 1800													
≥ 1500													
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

VEA 03

WYOMING

MONSIEUR LE MINISTRE

VISIBILITY (STATUTE MILES)

VISIBILITY (STATUTE MILES)														
CEILING (FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
AI AI														
18000														
AI AI														
16000														
AI AI														
14000														
AI AI														
12000														
AI AI														
10000														
AI AI														
9000														
AI AI														
8000														
AI AI														
7000														
AI AI														
6000														
AI AI														
5000														
AI AI														
4500														
AI AI														
4000														
AI AI														
3500														
AI AI														
3000														
AI AI														
2500														
AI AI														
2000														
AI AI														
1800														
AI AI														
1500														
AI AI														
1200														
AI AI														
1000														
AI AI														
900														
AI AI														
800														
AI AI														
700														
AI AI														
600														
AI AI														
500														
AI AI														
400														
AI AI														
300														
AI AI														
200														
AI AI														
100														
0														
AI AI														

TOTAL NUMBER OF OBSERVATIONS

OIRNA VOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•
18000	•	•	•	•	•	•	•	•	•	•	•	•	•
16000	•	•	•	•	•	•	•	•	•	•	•	•	•
14000	•	•	•	•	•	•	•	•	•	•	•	•	•
12000	•	•	•	•	•	•	•	•	•	•	•	•	•
10000	•	•	•	•	•	•	•	•	•	•	•	•	•
9000	•	•	•	•	•	•	•	•	•	•	•	•	•
8000	•	•	•	•	•	•	•	•	•	•	•	•	•
7000	•	•	•	•	•	•	•	•	•	•	•	•	•
6000	•	•	•	•	•	•	•	•	•	•	•	•	•
5000	•	•	•	•	•	•	•	•	•	•	•	•	•
4500	•	•	•	•	•	•	•	•	•	•	•	•	•
4000	•	•	•	•	•	•	•	•	•	•	•	•	•
3500	•	•	•	•	•	•	•	•	•	•	•	•	•
3000	•	•	•	•	•	•	•	•	•	•	•	•	•
2500	•	•	•	•	•	•	•	•	•	•	•	•	•
2000	•	•	•	•	•	•	•	•	•	•	•	•	•
1800	•	•	•	•	•	•	•	•	•	•	•	•	•
1500	•	•	•	•	•	•	•	•	•	•	•	•	•
1200	•	•	•	•	•	•	•	•	•	•	•	•	•
1000	•	•	•	•	•	•	•	•	•	•	•	•	•
900	•	•	•	•	•	•	•	•	•	•	•	•	•
800	•	•	•	•	•	•	•	•	•	•	•	•	•
700	•	•	•	•	•	•	•	•	•	•	•	•	•
600	•	•	•	•	•	•	•	•	•	•	•	•	•
500	•	•	•	•	•	•	•	•	•	•	•	•	•
400	•	•	•	•	•	•	•	•	•	•	•	•	•
300	•	•	•	•	•	•	•	•	•	•	•	•	•
200	•	•	•	•	•	•	•	•	•	•	•	•	•
100	•	•	•	•	•	•	•	•	•	•	•	•	•
0	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

DATE

STATION NAME

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING													
≥ 20000													
At 18000													
At 16000													
At 14000													
At 12000													
At 10000													
At 9000													
At 8000													
At 7000													
At 6000													
At 5000													
At 4500													
At 4000													
At 3500													
At 3000													
At 2500													
At 2000													
At 1800													
At 1500													
At 1200													
At 1000													
At 900													
At 800													
At 700													
At 600													
At 500													
At 400													
At 300													
At 200													
At 100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

VEARS

WILSON

MOVIES (137)

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

[illegible]

TOTAL NUMBER OF OBSERVATIONS

DIRNA VOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME _____ YEARS _____ MONTH _____ HOURS (L.S.T.) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING ≥ 20000	1.0	1.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 18000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 16000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 14000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 12000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 10000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 9000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 8000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 7000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 6000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 5000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 4500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 4000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 3500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 3000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 2500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 2000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 1800	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 1500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 1200	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 1000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 900	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 800	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 700	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 600	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 400	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 300	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 200	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 100	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
At 0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLEIGH, NC

STATION

STATION NAME

YEARS

MONTH

HOURS - LST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, LITTLE ROCK, AR

STATION

STATION NAME

YEARS

MONTH

HOURS L.S.T.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLEVEILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 5/16	≥ 1/8	≥ 1/16	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 11.5.1

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

1027

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, JOHNSVILLE, MD

STATION

STATION NAME

YEARS

MOUTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

MOUSE (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNA VOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS L.S.T.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
≥ 5000													
≥ 4500													
≥ 4000													
≥ 3500													
≥ 3000													
≥ 2500													
≥ 2000													
≥ 1800													
≥ 1500													
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING ≥ 20000													≥ 0
18000 AI AI													
16000 AI AI													
14000 AI AI													
12000 AI AI													
10000 AI AI													
9000 AI AI													
8000 AI AI													
7000 AI AI													
6000 AI AI													
5000 AI AI													
4500 AI AI													
4000 AI AI													
3500 AI AI													
3000 AI AI													
2500 AI AI													
2000 AI AI													
1800 AI AI													
1500 AI AI													
1200 AI AI													
1000 AI AI													
900 AI AI													
800 AI AI													
700 AI AI													
600 AI AI													
500 AI AI													
400 AI AI													
300 AI AI													
200 AI AI													
100 AI AI													
0 AI AI													

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 18000	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 16000	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 14000	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 12000	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 10000	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 9000	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 8000	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 7000	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 6000	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 5000	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4500	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4000	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3500	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3000	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2500	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2000	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1800	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1500	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1200	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1000	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 900	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 800	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 700	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 600	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 500	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 400	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 300	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 200	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 100	•	•	•	•	•	•	•	•	•	•	•	•	•
0	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING													≥ 0
≥ 20000													
≥ 18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
≥ 20000															
18000															
16000															
14000															
12000															
10000															
9000															
8000															
7000															
6000															
5000															
4500															
4000															
3500															
3000															
2500															
2000															
1800															
1500															
1200															
1000															
900															
800															
700															
600															
500															
400															
300															
200															
100															
0															

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING												
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, LAAGREVILLE, NC

STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 11 5 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLEVEILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION NAME _____ YEARS _____ MONTH _____
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)
 HOURS (L S T) _____

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME: _____ YEAR: _____ MONTH: _____
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	0	0	0	0	0	0	0	0	0	0	0	0
≥ 20000	0	0	0	0	0	0	0	0	0	0	0	0
≥ 18000	0	0	0	0	0	0	0	0	0	0	0	0
≥ 16000	0	0	0	0	0	0	0	0	0	0	0	0
≥ 14000	0	0	0	0	0	0	0	0	0	0	0	0
≥ 12000	0	0	0	0	0	0	0	0	0	0	0	0
10000	0	0	0	0	0	0	0	0	0	0	0	0
9000	0	0	0	0	0	0	0	0	0	0	0	0
8000	0	0	0	0	0	0	0	0	0	0	0	0
7000	0	0	0	0	0	0	0	0	0	0	0	0
6000	0	0	0	0	0	0	0	0	0	0	0	0
5000	0	0	0	0	0	0	0	0	0	0	0	0
4500	0	0	0	0	0	0	0	0	0	0	0	0
4000	0	0	0	0	0	0	0	0	0	0	0	0
3500	0	0	0	0	0	0	0	0	0	0	0	0
3000	0	0	0	0	0	0	0	0	0	0	0	0
2500	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0	0	0
1800	0	0	0	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0	0	0	0
1200	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0
900	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0
700	0	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0	0
300	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•
18000	•	•	•	•	•	•	•	•	•	•	•	•	•
16000	•	•	•	•	•	•	•	•	•	•	•	•	•
14000	•	•	•	•	•	•	•	•	•	•	•	•	•
12000	•	•	•	•	•	•	•	•	•	•	•	•	•
10000	•	•	•	•	•	•	•	•	•	•	•	•	•
9000	•	•	•	•	•	•	•	•	•	•	•	•	•
8000	•	•	•	•	•	•	•	•	•	•	•	•	•
7000	•	•	•	•	•	•	•	•	•	•	•	•	•
6000	•	•	•	•	•	•	•	•	•	•	•	•	•
5000	•	•	•	•	•	•	•	•	•	•	•	•	•
4500	•	•	•	•	•	•	•	•	•	•	•	•	•
4000	•	•	•	•	•	•	•	•	•	•	•	•	•
3500	•	•	•	•	•	•	•	•	•	•	•	•	•
3000	•	•	•	•	•	•	•	•	•	•	•	•	•
2500	•	•	•	•	•	•	•	•	•	•	•	•	•
2000	•	•	•	•	•	•	•	•	•	•	•	•	•
1800	•	•	•	•	•	•	•	•	•	•	•	•	•
1500	•	•	•	•	•	•	•	•	•	•	•	•	•
1200	•	•	•	•	•	•	•	•	•	•	•	•	•
1000	•	•	•	•	•	•	•	•	•	•	•	•	•
900	•	•	•	•	•	•	•	•	•	•	•	•	•
800	•	•	•	•	•	•	•	•	•	•	•	•	•
700	•	•	•	•	•	•	•	•	•	•	•	•	•
600	•	•	•	•	•	•	•	•	•	•	•	•	•
500	•	•	•	•	•	•	•	•	•	•	•	•	•
400	•	•	•	•	•	•	•	•	•	•	•	•	•
300	•	•	•	•	•	•	•	•	•	•	•	•	•
200	•	•	•	•	•	•	•	•	•	•	•	•	•
100	•	•	•	•	•	•	•	•	•	•	•	•	•
0	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

111
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING ≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING ≥ 20000	•	•	•	•	•	7.4	4.0	4.0	3.0	4.0	6.0	4.0	4.0
≥ 18000	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 16000	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 14000	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 12000	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 10000	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 9000	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 8000	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 7000	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 6000	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 5000	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4500	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4000	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3500	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3000	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2500	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2000	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1800	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1500	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1200	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1000	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 900	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 800	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 700	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 600	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 500	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 400	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 300	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 200	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 100	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	•	•	•	•	•	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT 1, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LL S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING														
≥ 20000														
AI AI														
18000														
AI AI														
16000														
AI AI														
14000														
AI AI														
12000														
AI AI														
10000														
AI AI														
9000														
AI AI														
8000														
AI AI														
7000														
AI AI														
6000														
AI AI														
5000														
AI AI														
4500														
AI AI														
4000														
AI AI														
3500														
AI AI														
3000														
AI AI														
2500														
AI AI														
2000														
AI AI														
1800														
AI AI														
1500														
AI AI														
1200														
AI AI														
1000														
AI AI														
900														
AI AI														
800														
AI AI														
700														
AI AI														
600														
AI AI														
500														
AI AI														
400														
AI AI														
300														
AI AI														
200														
AI AI														
100														
AI AI														
0														
AI AI														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 20000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 18000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 16000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 14000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 12000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 10000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 9000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 8000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 7000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 6000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 5000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 2500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 2000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1800	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1200	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 900	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 800	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 700	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 600	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 400	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 300	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 200	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 100	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7

TOTAL NUMBER OF OBSERVATIONS

72

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS LIST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														≥ 0
≥ 20000														
AI AI 18000														
AI AI 16000														
AI AI 14000														
AI AI 12000														
AI AI 10000														
AI AI 9000														
AI AI 8000														
AI AI 7000														
AI AI 6000														
AI AI 5000														
AI AI 4500														
AI AI 4000														
AI AI 3500														
AI AI 3000														
AI AI 2500														
AI AI 2000														
AI AI 1800														
AI AI 1500														
AI AI 1200														
AI AI 1000														
AI AI 900														
AI AI 800														
AI AI 700														
AI AI 600														
AI AI 500														
AI AI 400														
AI AI 300														
AI AI 200														
AI AI 100														
AI AI 0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MM

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

STATION NAME

STATION

YEARS

MONTH

HOURS I L S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
18000 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
16000 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
14000 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
12000 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
10000 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
9000 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
8000 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
7000 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
6000 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
5000 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
4500 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
4000 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
3500 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
3000 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
2500 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
2000 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
1800 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
1500 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
1200 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
1000 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
900 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
800 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
700 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
600 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
500 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
400 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
300 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
200 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
100 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
0 AI AI	1.0	4.0	6.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING												
≥ 20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
2000												
1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

DIRNA VOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 20000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 18000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 16000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 14000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 12000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
10000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
9000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
8000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
7000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
6000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
5000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
4500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
4000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
3500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
3000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
2500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
2000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
1800	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
1500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
1200	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
1000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
900	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
800	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
700	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
600	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
400	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
300	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
200	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
100	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 20000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 18000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 16000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 14000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 12000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 10000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 9000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 8000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 7000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 6000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 5000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 2500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 2000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1800	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1200	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 1000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 900	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 800	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 700	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 600	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 400	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 300	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 200	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 100	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING ≥ 20000													
18000													
16000													
14000													
12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 20000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 18000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 16000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 14000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 12000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 10000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 9000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 8000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 7000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 6000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 5000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 4500	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 4000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 3500	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 3000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 2500	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 2000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 1800	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 1500	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 1200	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 1000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 900	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 800	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 700	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 600	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 500	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 400	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 300	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 200	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 100	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
AI AI 0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING	0	0	0	0	0	0	0	0	0	0	0	0	0
≥ 20000	0	0	0	0	0	0	0	0	0	0	0	0	0
18000	0	0	0	0	0	0	0	0	0	0	0	0	0
16000	0	0	0	0	0	0	0	0	0	0	0	0	0
14000	0	0	0	0	0	0	0	0	0	0	0	0	0
12000	0	0	0	0	0	0	0	0	0	0	0	0	0
10000	0	0	0	0	0	0	0	0	0	0	0	0	0
9000	0	0	0	0	0	0	0	0	0	0	0	0	0
8000	0	0	0	0	0	0	0	0	0	0	0	0	0
7000	0	0	0	0	0	0	0	0	0	0	0	0	0
6000	0	0	0	0	0	0	0	0	0	0	0	0	0
5000	0	0	0	0	0	0	0	0	0	0	0	0	0
4500	0	0	0	0	0	0	0	0	0	0	0	0	0
4000	0	0	0	0	0	0	0	0	0	0	0	0	0
3500	0	0	0	0	0	0	0	0	0	0	0	0	0
3000	0	0	0	0	0	0	0	0	0	0	0	0	0
2500	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0	0	0	0
1800	0	0	0	0	0	0	0	0	0	0	0	0	0
1500	0	0	0	0	0	0	0	0	0	0	0	0	0
1200	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0	0
900	0	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0	0
700	0	0	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0	0	0
500	0	0	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0	0	0
300	0	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS 11.5.7

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
10000													
9000													
8000													
7000													
6000													
5000													
4500													
4000													
3500													
3000													
2500													
2000													
1800													
1500													
1200													
1000													
900													
800													
700													
600													
500													
400													
300													
200													
100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNA VOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
≥ 5000													
≥ 4500													
≥ 4000													
≥ 3500													
≥ 3000													
≥ 2500													
≥ 2000													
≥ 1800													
≥ 1500													
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0													

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHIEVILLE, NC

STATION NAME YEARS MONTH HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														≥ 0
≥ 20000														
At 18000														
At 16000														
At 14000														
At 12000														
At 10000														
At 9000														
At 8000														
At 7000														
At 6000														
At 5000														
At 4500														
At 4000														
At 3500														
At 3000														
At 2500														
At 2000														
At 1800														
At 1500														
At 1200														
At 1000														
At 900														
At 800														
At 700														
At 600														
At 500														
At 400														
At 300														
At 200														
At 100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•
900	•	•	•	•	•	•	•	•	•	•	•	•	•	•
800	•	•	•	•	•	•	•	•	•	•	•	•	•	•
700	•	•	•	•	•	•	•	•	•	•	•	•	•	•
600	•	•	•	•	•	•	•	•	•	•	•	•	•	•
500	•	•	•	•	•	•	•	•	•	•	•	•	•	•
400	•	•	•	•	•	•	•	•	•	•	•	•	•	•
300	•	•	•	•	•	•	•	•	•	•	•	•	•	•
200	•	•	•	•	•	•	•	•	•	•	•	•	•	•
100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
0	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000													
≥ 18000													
≥ 16000													
≥ 14000													
≥ 12000													
≥ 10000													
≥ 9000													
≥ 8000													
≥ 7000													
≥ 6000													
≥ 5000													
≥ 4500													
≥ 4000													
≥ 3500													
≥ 3000													
≥ 2500													
≥ 2000													
≥ 1800													
≥ 1500													
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500													
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0													

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, LITTLE ROCK, ARK.

STATION

STATION NAME

YEARS

NORTH

HOURS L.S.T.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING														
≥ 20000														
18000														
16000														
14000														
12000														
10000														
9000														
8000														
7000														
6000														
5000														
4500														
4000														
3500														
3000														
2500														
2000														
1800														
1500														
1200														
1000														
900														
800														
700														
600														
500														
400														
300														
200														
100														
0														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING															
≥ 20000															
≥ 18000															
≥ 16000															
≥ 14000															
≥ 12000															
≥ 10000															
≥ 9000															
≥ 8000															
≥ 7000															
≥ 6000															
≥ 5000															
≥ 4500															
≥ 4000															
≥ 3500															
≥ 3000															
≥ 2500															
≥ 2000															
≥ 1800															
≥ 1500															
≥ 1200															
≥ 1000															
≥ 900															
≥ 800															
≥ 700															
≥ 600															
≥ 500															
≥ 400															
≥ 300															
≥ 200															
≥ 100															
0															

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

111
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 20000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
18000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
16000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
14000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
12000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
10000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
9000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
7000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
6000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
5000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
4500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
4000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
3500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
3000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
2500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
2000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
1800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
1500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
1200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
1000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
900	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
700	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
600	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
400	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
300	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
100	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 0
NO CEILING														
≥ 20000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 18000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 16000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 14000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 12000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 10000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 9000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 8000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 7000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 6000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 4500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 4000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 3000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 2500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 2000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 900	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 700	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 600	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

SKY COVER

3

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
	00	100.0			100.0						0.0	000.4	0.0	0
	01	100.0			100.0						100.0	100.0	0.0	0
	02	100.0			100.0						100.0	120.0	0.0	101
	03	100.0			100.0						100.0	110.0	0.0	0
	04	100.0			100.0						200.4	210.0	0.0	213
	05	100.0			100.0						170.0	170.1	0.0	20
	06	100.0			100.0						200.0	210.6	0.0	70
	07	100.0			200.4						100.0	400.7	0.0	0
TOTALS		1000			1000						1000	240	0.0	1010

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	PERIOD	MONTH
1			

[illegible]

STATION	STATION NAME	PERIOD	MONTH
17	17-017	6-6-6	

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
		20.0			10.0						10.9	10.2	5.2	23
		20.0			10.0						14.5	13.3	5.2	14
		20.0			10.7						20.1	31.0	5.0	16
		20.0			10.0						20.1	27.0	5.9	21
		20.0			20.0						20.3	10.6	5.4	21
		20.0			13.3						20.2	17.1	5.1	20
		20.0			10.0						22.1	13.0	4.5	6
		11.0			11.0						17.2	10.2	5.0	6
TOTALS		100.0			100.0						20.2	13.2	5.1	129

STATION

STATION NAME

PERIOD**MONTH**

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

[illegible]

STATION

STATION NAME

PERIOD

MONYM

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

STATION	STATION NAME	PERIOD	MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
		. .			. 1						. 7	36.6	7.0	2
		. .			1 . .						. 7	17.1	. 6	1
		11. .			. .						. 0	11.7	. 5	22
		21. .			. .						1 . 7	16. .	1.6	2
		17. .			. .						1 . 1	17. .	1.5	11
		21. .			. .						1 . .	16.6	1.1	20
		20. .			. .						1 . .	24.6	1.7	
					. .							2.0	. 3	
TOTALS		.			1.0						11. .	90.9	1.6	100

16

MONTM

TOTALS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9			10
		0.			10.1						10.1	7.0	
		10.0			17.0						17.0	7.0	
		10.0			10.0					10.0	10.0	7.0	20
		40.0			70.0					10.0	6.0	10.0	20
		10.0			30.0					11.0	4.0	20.0	20
		40.0			10.0					10.0	6.0	10.0	10
		40.0			10.0					10.0	5.0	10.0	20
		20.0			10.0					10.0	6.0	10.0	20
			</										

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

STATION - - - - -

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9			10
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	
		100			100						100	100	

AD-A150 482

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
CAMP PENDLETON CALIFORNIA(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC SEP 84

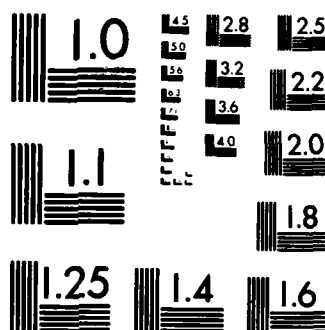
4/4

UNCLASSIFIED

F/G 4/2

NL

									END				
									FILED				
									DTIC				



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

MONTH

NAVWEASERVCOM

SKY COVER

STATION NAME STATION 01 PERIOD 5-79 MONTH 01

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
01	01	40.0			14.0						10.0	22.0	0.2
	02	45.0			22.0						12.5	17.8	3.7
	03	25.0			24.0						20.0	22.0	1.0
	04	20.0			20.0						21.0	22.3	5.1
	05	25.0			1.0						20.4	15.4	4.0
	06	20.0			3.0						20.0	11.0	4.0
	07	30.0			25.0						20.4	14.5	4.7
	08	30.0			34.0						11.0	18.6	4.0
	09												
	10												
	11												
	12												
TOTALS		23.0			26.0						21.5	17.4	4.6
													0.79

STATION	STATION NAME	PERIOD	MONTH
11	11	11	11

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
	ALL				24.6						74.7	34.6	4.5	1010
		2.0			22.0						22.0	30.1	5.7	949
		0.0			20.0						20.0	32.3	5.1	690
		3.0			24.0						10.0	30.3	4.5	107
		00.0			10.0						10.0	30.6	5.6	609
		1.0			31.6						11.7	40.9	6.6	913
J		2.0			25.0						11.0	37.4	5.6	113
		00.1			30.4						11.6	20.0	4.2	100
		3.0			17.6						10.0	33.2	4.3	1069
		7.1			20.2						10.1	23.7	4.9	1310
		0.0			20.0						10.0	22.2	4.2	600
		27.3			26.0						21.5	15.4	4.6	975
TOTALS		20.2			20.0						16.0	31.0	5.3	1277

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.
This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

c. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

STATION NAME CAMP PENDLETON, CA YEARS 6 - 7

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													
43													
44													
45													
46													
47													
48													
49													
50													
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN													
S.D.													
TOTAL OBS.													



SYNOPSIS

STATION NAME

YEARS

1
-
5.
'
2
H

10602T

NAVWEASERVCOM

1974

1967-1972

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	11.0	11.0	21.0	21.0	75	23.0	37.5	2.0	-1.0	-1.0	1971
2	12.0	12.0	19.0	19.0	71	21.0	42.0	5.0	3.0	3.0	1969
3	11.0	11.0	19.0	19.0	72	21.0	43.0	3.0	0.0	0.0	1970
4	11.0	11.0	19.0	19.0	74	22.0	44.0	4.0	2.0	2.0	1971
5	10.0	10.0	18.0	18.0	77	25.0	39.0	2.0	-2.0	-2.0	1971
6	11.0	11.0	19.0	19.0	74	23.0	37.0	3.0	-0.0	-0.0	1972
7	12.0	12.0	19.0	19.0	77	25.0	40.0	2.0	0.0	0.0	1972
8	12.0	12.0	19.0	19.0	75	23.0	37.0	3.0	-1.0	-1.0	1971
9	11.0	11.0	19.0	19.0	67	19.0	41.0	5.0	1.0	1.0	1971
10	11.0	11.0	19.0	19.0	69	20.0	42.0	6.0	0.0	0.0	1972
11	12.0	12.0	19.0	19.0	76	24.0	43.0	7.0	0.0	0.0	1972
12	12.0	12.0	19.0	19.0	74	23.0	40.0	7.0	1.0	1.0	1972
13	11.0	11.0	19.0	19.0	67	19.0	45.0	7.0	3.0	3.0	1972
14	12.0	12.0	19.0	19.0	65	18.0	46.0	7.0	3.0	3.0	1971
15	12.0	12.0	19.0	19.0	71	21.0	45.0	7.0	1.0	1.0	1971
16	12.0	12.0	19.0	19.0	74	23.0	45.0	7.0	2.0	2.0	1971
17	11.0	11.0	19.0	19.0	67	19.0	42.0	6.0	1.0	1.0	1971
18	12.0	12.0	19.0	19.0	68	20.0	43.0	6.0	2.0	2.0	1972
19	12.0	12.0	19.0	19.0	81	27.0	44.0	7.0	2.0	2.0	1967
20	12.0	12.0	19.0	19.0	63	18.0	45.0	7.0	2.0	2.0	1967
21	12.0	12.0	19.0	19.0	64	18.0	47.0	8.0	4.0	4.0	1972
22	13.0	13.0	19.0	19.0	64	18.0	48.0	8.0	4.0	4.0	1972
23	13.0	13.0	19.0	19.0	93	34.0	47.0	9.0	6.0	6.0	1971
24	14.0	14.0	19.0	19.0	74	23.0	46.0	9.0	4.0	4.0	1972
25	12.0	12.0	19.0	19.0	65	18.0	45.0	7.0	3.0	3.0	1972
26	11.0	11.0	19.0	19.0	76	24.0	43.0	5.0	1.0	1.0	1971
27	12.0	12.0	19.0	19.0	86	30.0	42.0	5.0	1.0	1.0	1972
28	12.0	12.0	19.0	19.0	84	29.0	41.0	5.0	0.0	0.0	1972
29	13.0	13.0	19.0	19.0	84	30.0	41.0	5.0	2.0	2.0	1969
30	9.0	9.0	19.0	19.0	60	16.0	37.0	7.0	-0.0	-0.0	1970
31	10.0	10.0	19.0	19.0	85	30.0	39.0	4.0	-1.0	-1.0	1972
Monthly	11.0	11.0	19.0	19.0	91	33.0	42.0	6.0	-0.0	-0.0	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME
CAMP PULFORD, NC

1 67-1972

FEBRUARY

MONTH

YEARS

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C	°F	°C	DATE	DATE	°F	°C	°F	°C	°F	°C	DATE	DATE
1	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
2	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
3	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
4	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
5	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
6	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
7	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
8	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
9	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
10	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
11	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
12	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
13	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
14	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
15	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
16	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
17	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
18	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
19	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
20	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
21	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
22	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
23	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
24	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
25	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
26	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
27	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
28	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
29	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
30	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
31	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972
Monthly	4.0	4.4	66.2	19.0	75	23.9	75	23.9	1971	1971	42.0	5.6	33	-1.1	33	-1.1	1972	1972

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1967-1977

25111

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP			
	AVERAGE °F	AVERAGE °C	AVERAGE °F	AVERAGE °C	EXTREME °F	EXTREME °C	AVERAGE °F	AVERAGE °C	EXTREME °F	EXTREME °C
DATE										DATE
1	14.7	14.7	19.1	19.1	32	32.2	45.7	9.3	42	5.6
2	14.4	14.4	19.7	19.7	32	32.2	45.7	9.3	42	5.6
3	11.3	11.3	16.5	16.5	64	17.2	43.0	6.1	41	4.4
4	12.1	12.1	17.9	17.9	71	21.1	41.7	5.4	36	2.2
5	14.7	14.7	22.2	22.2	91	32.2	45.0	7.2	41	5.0
6	12.3	12.3	19.4	19.4	59	27.5	41.3	5.2	41	4.4
7	11.9	11.9	19.1	19.1	61	20.6	40.7	4.8	35	1.7
8	13.9	13.9	21.2	21.2	38	31.1	43.7	6.5	38	2.3
9	14.3	14.3	21.5	21.5	91	32.2	44.7	7.1	42	5.6
10	16.6	16.6	23.2	23.2	94	34.4	51.0	10.0	43	5.4
11	13.3	13.3	17.4	17.4	70	21.1	46.3	9.1	42	5.6
12	14.7	14.7	18.6	18.6	72	22.2	51.5	10.8	46	7.8
13	13.9	13.9	18.7	18.7	71	21.1	48.3	9.1	41	7.2
14	13.1	13.1	16.7	16.7	67	19.4	46.7	8.4	45	7.2
15	13.9	13.9	18.1	18.1	51	20.6	49.7	9.8	43	6.1
16	13.2	13.2	18.1	18.1	75	23.2	47.0	8.3	37	2.8
17	12.2	12.2	16.2	16.2	73	22.2	42.3	6.3	39	3.3
18	11.1	11.1	17.8	17.8	66	18.9	47.0	4.4	34	1.1
19	12.2	12.2	18.3	18.3	70	21.1	42.7	5.9	39	3.9
20	13.4	13.4	19.4	19.4	81	26.7	45.3	7.4	42	5.6
21	11.5	11.5	16.2	16.2	63	21.6	43.7	6.1	42	5.6
22	13.6	13.6	19.4	19.4	70	21.1	47.2	7.4	41	5.0
23	13.4	13.4	20.6	20.6	82	27.5	43.2	6.2	39	3.9
24	11.8	11.8	19.7	19.7	72	22.2	41.3	5.0	42	4.4
25	14.4	14.4	22.7	22.7	75	23.2	41.3	4.8	36	2.2
26	14.7	14.7	21.2	21.2	91	32.2	46.9	8.1	35	3.3
27	14.3	14.3	22.7	22.7	91	33.7	47.0	6.1	41	5.0
28	14.7	14.7	21.7	21.7	88	31.1	46.7	7.8	41	5.0
29	13.0	13.0	18.9	18.9	74	23.7	44.7	7.1	32	1.1
30	13.7	13.7	18.4	18.4	71	21.1	46.9	8.1	43	6.1
31	13.4	13.4	19.4	19.4	91	34.4	45.3	7.4	32	1.1
Monthly			67.0	19.4			45.3	7.4		

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1-67-1972

STATION NAME

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	
1	5.0	13.3	64.3	17.9	6	21.0	1969	1969	48.3	9.1	42	5.6	1967
2	5.0	14.7	55.7	16.7	6	20.0	1969	1969	51.3	1.7	44	6.7	1967
3	5.0	14.7	54.0	17.9	67	19.4	1971	1971	53.0	11.7	50	10.0	1967
4	5.0	13.0	53.0	17.2	65	18.3	1971	1971	50.0	12.0	40	9.4	1971
5	5.0	12.0	52.3	16.0	63	17.2	1971	1971	48.0	8.9	43	6.1	1969
6	5.0	13.0	50.0	16.7	60	18.3	1969	1969	48.7	8.3	41	5.0	1967
7	5.0	13.4	67.2	19.6	70	20.2	1969	1969	48.5	9.2	43	6.1	1965
8	1.0	16.4	71.0	21.7	70	20.6	1969	1969	52.0	11.1	40	7.2	1969
9	1.0	16.3	72.0	22.2	80	30.0	1969	1969	50.7	10.4	45	7.2	1969
10	1.0	14.4	64.3	17.9	60	18.3	1971	1971	51.7	10.9	43	8.9	1971
11	1.0	15.1	65.7	18.7	60	20.6	1971	1971	52.7	11.5	49	9.4	1967
12	1.0	14.3	63.7	17.6	60	20.6	1969	1969	53.7	12.1	40	8.9	1967
13	1.0	15.3	67.0	19.4	71	21.7	1971	1971	52.0	11.1	47	9.3	1967
14	1.0	16.3	71.0	21.1	80	26.7	1967	1967	51.5	10.8	43	6.1	1963
15	1.0	15.2	72.3	22.4	76	24.4	1967	1967	46.3	7.9	40	4.4	1963
16	1.0	16.7	72.0	22.2	74	23.3	1969	1969	52.0	11.1	40	7.8	1962
17	1.0	17.3	72.5	22.5	77	25.0	1971	1971	53.7	12.1	51	10.6	1967
18	2.0	17.1	75.3	24.1	75	29.4	1971	1971	50.0	10.0	40	7.8	1971
19	3.0	17.2	74.5	23.7	84	28.9	1971	1971	1.8	15.8	47	8.3	1971
20	1.0	16.7	69.2	20.7	70	22.2	1963	1963	55.0	12.8	49	9.4	1971
21	1.0	15.4	65.0	18.3	60	20.6	1969	1969	54.5	12.5	51	10.6	1971
22	5.0	15.4	67.0	19.4	60	20.0	1969	1969	52.3	11.3	40	9.4	1967
23	1.0	16.3	69.3	20.7	71	21.7	1967	1967	50.3	11.8	45	8.9	1968
24	0.0	15.9	68.7	20.4	71	21.7	1971	1971	52.0	11.4	40	8.9	1971
25	1.0	15.7	68.7	20.4	73	22.0	1968	1968	50.0	11.1	47	9.3	1968
26	3.0	17.0	73.2	22.0	82	27.8	1968	1968	53.7	12.1	50	10.0	1968
27	1.0	16.7	71.0	21.7	77	25.0	1969	1969	53.0	11.8	52	11.1	1968
28	1.0	16.1	69.0	20.3	75	24.4	1969	1969	52.7	11.5	45	9.4	1971
29	1.0	17.3	68.3	20.7	72	22.2	1963	1963	57.0	13.9	55	12.8	1969
30	1.0	16.8	67.0	19.4	70	21.1	1968	1968	57.5	14.2	55	12.8	1967
31	1.0	16.2	67.0	19.4	70	21.1	1963	1963	55.5	13.1	53	11.7	1967
Monthly	0.0	15.7	68.4	20.2	86	30.0	1960	1960	52.1	11.2	40	4.4	1965

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1967-1972

JUNE

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		EXTREME		MINIMUM TEMP	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C
1	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
2	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
3	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
4	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
5	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
6	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
7	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
8	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
9	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
10	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
11	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
12	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
13	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
14	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
15	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
16	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
17	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
18	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
19	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
20	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
21	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
22	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
23	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
24	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
25	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
26	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
27	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
28	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
29	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
30	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
31	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0
Monthly	52.0	11.1	52.0	11.1	74.0	23.3	52.0	11.1	47.0	14.4	32.0	0.0

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

14

STATION NAME

1 67-1979

JULY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	F	°C	F	°C	F	°C	F	°C	F	°C	
1	17.2	6.3	74.0	23.3	87	31.1	20.7	11.3	51	10.6	1979
2	19.0	6.7	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
3	18.9	6.6	75.0	23.9	86	30.6	20.3	10.9	50	10.0	1979
4	18.2	6.4	71.0	21.7	77	25.5	19.9	10.5	50	10.0	1979
5	18.9	6.6	74.0	23.3	87	31.1	20.7	11.3	51	10.6	1979
6	19.0	6.7	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
7	19.1	6.8	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
8	19.0	6.7	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
9	19.1	6.8	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
10	19.0	6.7	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
11	19.1	6.8	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
12	19.0	6.7	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
13	19.1	6.8	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
14	19.0	6.7	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
15	19.1	6.8	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
16	19.0	6.7	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
17	19.1	6.8	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
18	19.0	6.7	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
19	19.1	6.8	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
20	19.0	6.7	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
21	19.1	6.8	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
22	19.0	6.7	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
23	19.1	6.8	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
24	19.0	6.7	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
25	19.1	6.8	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
26	19.0	6.7	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
27	19.1	6.8	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
28	19.0	6.7	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
29	19.1	6.8	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
30	19.0	6.7	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
31	19.1	6.8	76.0	24.4	87	31.1	20.7	11.3	51	10.6	1979
Monthly			77.3	25.7	98	36.6	19.6	7.8	46	7.8	1979

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

1964

STATION NAME

1967-1970

1957

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		
	F	°C	°F	°C	°F	°C	°C	°F	°C	DATE	
1	3.1	2.1	7.7	25.1	87	25.7	25.7	14.7	18.2	17.2	1969
2	3.1	23.4	3.7	23.7	97	35.6	19.71	14.7	15.2	15.6	1969
3	1.1	21.7	77.7	25.4	89	21.1	19.71	64.5	18.1	15.1	1970
4	1.7	22.1	7.8	27.1	97	35.6	19.71	12.6	17.1	14.4	1969
5	1.1	22.3	1.0	27.3	97	33.3	19.71	63.4	17.4	13.9	1969
6	1.1	22.2	2.2	27.1	97	33.3	19.71	61.4	15.4	14.4	1969
7	7.7	22.7	8.5	29.4	100	37.5	19.69	60.7	15.4	12.2	1969
8	1.1	21.7	31.2	27.3	89	31.7	19.71	61.1	15.1	14.4	1969
9	1.1	20.7	30.3	26.7	88	31.1	19.69	59.7	14.8	12.2	1969
10	1.7	23.2	14.1	28.3	97	36.1	19.69	64.5	18.1	16.7	1968
11	1.1	22.7	11.2	27.3	88	31.1	19.71	64.4	18.0	15.6	1969
12	1.1	22.3	11.0	27.3	87	30.7	19.71	63.2	17.3	15.1	1969
13	1.1	21.7	7.8	26.0	85	29.4	19.71	63.4	17.4	15.2	1968
14	1.1	21.3	7.1	25.6	83	28.3	19.70	62.7	17.1	14.4	1968
15	6.9	21.1	77.2	25.1	81	27.3	19.71	62.5	16.9	15.6	1970
16	1.1	22.3	78.2	26.2	84	28.9	19.71	65.1	18.3	15.0	1969
17	1.1	21.3	7.0	25.6	82	27.8	19.70	62.6	17.1	13.3	1968
18	1.1	20.9	77.3	25.1	81	7.2	19.71	62.2	16.8	12.9	1968
19	1.1	21.4	73.2	26.2	84	28.9	19.71	61.3	16.6	12.2	1969
20	1.7	21.0	73.8	25.7	83	28.3	19.69	62.6	17.1	11.7	1969
21	1.1	20.9	6.0	26.7	91	32.1	19.69	59.2	15.1	11.7	1969
22	1.1	21.4	4.3	29.1	102	33.9	19.9	56.7	13.7	10.0	1969
23	1.1	20.3	3.7	28.7	97	35.6	19.69	55.1	12.8	6.7	1969
24	1.1	21.7	11.0	27.6	89	31.7	19.68	67.4	15.6	11.7	1969
25	1.1	22.3	1.0	27.6	97	32.2	19.68	62.4	16.9	14.4	1969
26	1.7	22.1	11.0	27.0	89	31.7	19.71	61.4	16.6	12.8	1969
27	1.1	21.6	8.2	26.3	97	32.2	19.71	61.6	16.4	14.4	1968
28	1.1	21.4	79.7	26.5	97	32.2	19.69	61.5	15.4	13.3	1968
29	1.1	20.3	76.7	24.6	70	25.6	19.70	61.0	14.1	14.4	1969
30	1.1	21.0	11.0	26.7	91	32.1	19.71	61.7	15.5	14.4	1969
31	1.1	21.6	10.2	26.3	91	32.1	19.71	61.5	16.4	13.9	1969
Monthly	1.2	21.7	9.4	26.3	102	35.9	19.69	58.1	16.7	6.7	1969

* ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1174 250 P. MOUNTAIN A. 11 1967-1972

10154

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP			
	AVERAGE °F	AVERAGE °C	AVERAGE °F	AVERAGE °C	EXTREME °F	EXTREME °C	AVERAGE °F	AVERAGE °C	EXTREME °F	EXTREME °C
1	66.1	19.4	77.5	25.3	97	37.0	52.7	11.5	47	8.3
2	66.8	19.2	74.7	23.7	99	38.0	58.5	14.7	54	12.2
3	66.4	19.2	74.3	23.3	93	35.0	59.3	15.1	56	13.3
4	66.0	19.2	73.0	22.7	91	33.3	53.0	11.7	47	8.3
5	67.1	19.5	76.5	26.4	93	36.7	54.7	12.6	53	10.0
6	67.5	19.8	76.2	26.0	123	39.4	55.2	12.8	42	5.6
7	67.0	19.5	76.0	26.0	96	34.4	55.5	13.1	46	8.9
8	67.7	19.7	75.9	27.5	87	30.6	57.0	13.0	44	6.7
9	68.4	20.0	75.2	24.0	92	27.8	49.5	9.7	46	7.8
10	68.2	20.0	73.0	22.3	76	24.4	51.5	10.8	44	6.7
11	68.4	20.0	75.0	23.0	90	26.7	53.7	12.1	52	11.1
12	68.9	20.3	75.8	24.3	80	26.7	52.5	11.4	43	6.1
13	69.1	20.3	73.0	22.3	77	26.0	53.2	11.8	44	6.7
14	69.1	20.3	71.0	21.7	72	22.2	55.2	12.9	44	6.7
15	69.7	20.6	71.5	21.6	73	25.6	52.3	11.2	46	7.8
16	69.9	20.6	73.0	26.0	93	33.0	51.5	10.8	46	7.8
17	70.3	20.8	73.7	26.5	89	31.7	57.2	14.0	54	12.2
18	70.4	20.8	75.6	24.2	84	28.9	51.2	10.7	42	5.6
19	70.1	20.6	71.4	21.6	76	24.4	48.3	9.3	42	5.6
20	70.6	20.8	72.8	22.7	79	26.1	46.4	8.0	41	5.0
21	70.9	20.9	73.5	23.1	77	25.0	46.2	7.9	44	6.7
22	70.4	20.8	77.2	25.0	87	30.6	47.7	8.7	43	6.1
23	70.1	20.7	77.2	25.1	89	31.7	49.0	9.4	43	6.1
24	70.1	20.7	74.7	23.7	93	33.0	53.2	11.8	47	8.3
25	70.0	20.7	73.7	23.2	88	31.1	50.2	10.1	46	5.9
26	69.2	20.1	70.6	21.4	75	26.1	47.0	8.3	42	5.6
27	69.0	20.1	71.4	21.0	83	28.3	49.2	9.6	46	4.4
28	69.0	20.1	72.5	22.2	86	30.0	47.2	8.4	42	5.6
29	69.0	20.1	73.2	22.0	53	13.3	43.7	5.5	37	2.8
30	69.0	20.1	79.7	26.5	91	32.3	48.3	8.9	39	3.9
31	69.3	20.2	76.7	24.8	87	30.6	45.7	7.6	46	4.4
Monthly	69.4	20.4	75.5	24.2	100	33.4	51.3	10.7	37	2.3

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION

1174 CAM. PIEDMONT, NC

1967-1968

NOVEMBER

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP			
	AVERAGE ° F	AVERAGE ° C	AVERAGE ° F	AVERAGE ° C	EXTREME ° F	EXTREME ° C	EXTREME ° F	EXTREME ° C	AVERAGE ° F	AVERAGE ° C
1	1.1	16.3	75.0	26.1	84	33.1	169	34	43.3	6.6
2	0.0	15.7	75.6	24.2	96	30.0	169	37	44.0	7.1
3	0.0	15.6	73.8	23.2	86	30.0	1971	35	46.2	7.9
4	0.0	15.3	73.7	23.2	80	26.7	1971	41	45.5	7.5
5	0.0	14.7	69.7	20.9	74	23.3	1970	41	47.0	8.3
6	0.0	16.7	71.2	21.2	74	23.3	1970	44	53.7	12.1
7	0.0	15.3	68.3	20.2	71	21.7	1968	45	50.7	10.4
8	1.1	16.2	72.7	22.6	89	31.7	1968	45	49.5	9.7
9	0.7	15.9	74.0	23.3	81	27.2	1971	44	47.5	9.6
10	5.1	16.6	75.5	24.2	84	28.9	1968	43	48.2	9.3
11	4.7	18.2	79.3	26.3	84	28.9	1969	44	50.0	10.0
12	0.7	15.9	71.7	22.1	83	25.3	1969	43	49.7	9.8
13	1.4	16.3	74.2	23.4	85	29.4	1969	43	46.5	9.2
14	0.0	15.1	70.7	21.5	74	23.3	1969	41	47.7	8.7
15	5.5	13.6	63.7	17.6	67	19.4	1967	38	49.2	9.6
16	5.4	15.2	70.0	21.1	77	25.0	1970	37	48.6	9.2
17	5.0	14.1	71.6	21.4	77	25.0	1970	36	44.2	6.8
18	5.2	12.9	68.2	20.1	76	24.4	1969	39	42.2	5.7
19	0.0	15.8	73.0	22.8	8	26.7	1969	45	48.0	9.9
20	6.0	17.2	76.0	24.4	84	28.9	1968	44	49.7	9.8
21	0.0	15.7	72.3	22.4	75	26.1	1968	45	49.0	9.9
22	5.1	10.8	67.7	19.8	73	22.0	1969	37	42.5	5.8
23	5.0	13.6	73.5	23.1	81	27.2	1969	37	39.5	4.2
24	5.7	13.9	71.0	21.1	83	28.3	1969	37	44.0	6.7
25	5.0	15.4	71.7	22.1	84	23.9	1969	44	46.0	8.9
26	0.7	15.9	77.0	25.0	82	27.8	1969	44	44.5	6.9
27	0.0	15.2	74.7	23.7	84	26.9	1969	37	44.0	6.7
28	6.7	14.3	72.0	22.2	81	26.7	1969	36	43.3	6.3
29	4.5	12.9	69.2	20.7	76	24.4	1969	37	39.7	4.3
30	4.0	12.7	64.0	17.8	72	22.2	1969	34	45.6	7.5
31	0.0	15.1	71.9	22.2	8	31.7	1968	34	46.4	11.0
Monthly										

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION NAME: ASHEVILLE, NORTH CAROLINA YEARS: 1967-1971 MONTH: 06

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C
1	5.4	13.7	5.0	10.0	7	19.0	44.0	6.0	7	3.9
2	5.7	13.7	4.0	20.0	82	27.9	44.5	5.0	7	2.2
3	6.4	13.7	6.0	20.1	76	24.4	45.0	7.0	7	3.3
4	5.1	13.4	7.0	21.1	7	25.6	40.0	5.0	4	4.4
5	5.0	13.0	7.7	21.0	7	21.0	40.0	5.0	74	1.1
6	6.0	11.4	6.7	10.0	7	21.1	39.7	5.0	71	-0.6
7	4.1	12.3	6.4	19.0	74	23.3	40.0	4.0	74	1.1
8	2.0	11.4	4.0	17.0	71	21.7	41.0	5.1	73	.6
9	1.1	10.0	3.0	17.3	6	2.7	39.0	7.0	70	-1.1
10	1.0	10.0	4.0	17.0	7	21.1	39.7	5.0	75	1.7
11	4.0	12.3	6.5	19.7	75	23.0	41.0	5.0	73	3.5
12	0.0	10.7	5.0	20.0	73	22.0	40.0	4.0	30	1.7
13	0.0	10.1	4.5	16.1	73	22.0	35.7	2.1	34	1.1
14	0.0	9.0	6.0	17.1	70	21.1	35.0	2.1	7	-1.1
15	0.0	10.4	3.0	17.0	70	21.1	38.4	3.0	72	.0
16	1.0	10.3	5.0	15.0	70	22.0	37.0	2.0	30	-1.1
17	4.0	10.3	3.0	17.0	60	2.0	40.0	4.0	72	.0
18	0.0	10.3	6.0	15.0	60	19.0	40.7	4.0	72	.0
19	1.0	10.7	6.0	14.0	66	15.0	44.0	6.0	71	0.0
20	0.0	10.0	3.0	15.4	7	21.1	4.0	4.0	7	-1.1
21	0.0	9.9	10.0	15.0	6	20.0	39.4	4.1	25	-3.0
22	0.0	11.7	3.0	17.0	65	18.0	43.0	6.1	72	.0
23	0.0	12.0	4.0	18.1	67	19.4	43.0	5.0	74	1.1
24	0.0	10.3	12.0	16.7	60	17.8	39.0	3.0	72	.0
25	0.0	10.0	1.0	14.1	65	18.0	39.0	7.0	30	2.0
26	0.0	11.7	6.0	13.0	77	22.0	40.0	4.0	70	-1.1
27	0.0	9.0	5.0	14.0	60	16.7	37.7	7.0	71	-0.6
28	0.1	10.1	6.0	14.0	67	16.7	42.0	3.0	73	3.3
29	1.0	10.0	3.0	16.7	66	16.0	4.0	4.0	76	0.2
30	1.0	10.0	6.0	20.4	70	22.0	34.0	1.0	70	-1.7
31	0.0	12.0	7.0	22.1	70	24.1	39.0	3.0	73	-1.7
Monthly	2.0	11.0	4.5	18.1	60	23.0	40.0	4.0	7	-3.0

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NAME PORT LEE, NC STATION NUMBER 67-72 YEARS

WIND DIRECTION

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1951		71	72	63		67	77	71	81	93	8	73	
1952	3	75		62			76	96	8	7	86	82	
1953	74	86											
1954													
1955													
1956													
1957													
1958													
1959													
1960													
1961													
1962													
1963													
1964													
1965													
1966													
1967													
1968													
1969													
1970													
MEAN	70.5	75.7	73.0	77.5	78.0	79.0	86.5	87.0	82.3	85.0	87.5	86.0	
S D													
TOTAL OBS.	7	14	11	6	11	6	12	12	5	12	10	8	76

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

6-7

STATION NAME

STATION

YEARS

WILL DEGREES FAHRENHEIT
/RAISED ON LESS THAN FULL MONTHS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	23	76	87	94	12	24	28	1 2		21		73	MAX TEMP 74
2	23	80	91	22	29	27	24	2		22		71	MAX TEMP 74
3			9		6	24	24	2		21			MAX TEMP 74
4			2		23	27	24	2		22			MAX TEMP 74
5			2			27	24	2		22			MAX TEMP 74
6			2			27	24	2		22			MAX TEMP 74
7			2			27	24	2		22			MAX TEMP 74
8			2			27	24	2		22			MAX TEMP 74
9			2			27	24	2		22			MAX TEMP 74
10			2			27	24	2		22			MAX TEMP 74
11			2			27	24	2		22			MAX TEMP 74
12			2			27	24	2		22			MAX TEMP 74
13			2			27	24	2		22			MAX TEMP 74
14			2			27	24	2		22			MAX TEMP 74
15			2			27	24	2		22			MAX TEMP 74
16			2			27	24	2		22			MAX TEMP 74
17			2			27	24	2		22			MAX TEMP 74
18			2			27	24	2		22			MAX TEMP 74
19			2			27	24	2		22			MAX TEMP 74
20			2			27	24	2		22			MAX TEMP 74
21			2			27	24	2		22			MAX TEMP 74
22			2			27	24	2		22			MAX TEMP 74
23			2			27	24	2		22			MAX TEMP 74
24			2			27	24	2		22			MAX TEMP 74
25			2			27	24	2		22			MAX TEMP 74
26			2			27	24	2		22			MAX TEMP 74
27			2			27	24	2		22			MAX TEMP 74
28			2			27	24	2		22			MAX TEMP 74
29			2			27	24	2		22			MAX TEMP 74
30			2			27	24	2		22			MAX TEMP 74
31			2			27	24	2		22			MAX TEMP 74
32			2			27	24	2		22			MAX TEMP 74
33			2			27	24	2		22			MAX TEMP 74
34			2			27	24	2		22			MAX TEMP 74
35			2			27	24	2		22			MAX TEMP 74
36			2			27	24	2		22			MAX TEMP 74
37			2			27	24	2		22			MAX TEMP 74
38			2			27	24	2		22			MAX TEMP 74
39			2			27	24	2		22			MAX TEMP 74
40			2			27	24	2		22			MAX TEMP 74
41			2			27	24	2		22			MAX TEMP 74
42			2			27	24	2		22			MAX TEMP 74
43			2			27	24	2		22			MAX TEMP 74
44			2			27	24	2		22			MAX TEMP 74
45			2			27	24	2		22			MAX TEMP 74
46			2			27	24	2		22			MAX TEMP 74
47			2			27	24	2		22			MAX TEMP 74
48			2			27	24	2		22			MAX TEMP 74
49			2			27	24	2		22			MAX TEMP 74
50			2			27	24	2		22			MAX TEMP 74
51			2			27	24	2		22			MAX TEMP 74
52			2			27	24	2		22			MAX TEMP 74
53			2			27	24	2		22			MAX TEMP 74
54			2			27	24	2		22			MAX TEMP 74
55			2			27	24	2		22			MAX TEMP 74
56			2			27	24	2		22			MAX TEMP 74
57			2			27	24	2		22			MAX TEMP 74
58			2			27	24	2		22			MAX TEMP 74
59			2			27	24	2		22			MAX TEMP 74
60			2			27	24	2		22			MAX TEMP 74
61			2			27	24	2		22			MAX TEMP 74
62			2			27	24	2		22			MAX TEMP 74
63			2			27	24	2		22			MAX TEMP 74
64			2			27	24	2		22			MAX TEMP 74
65			2			27	24	2		22			MAX TEMP 74
66			2			27	24	2		22			MAX TEMP 74
67			2			27	24	2		22			MAX TEMP 74
68			2			27	24	2		22			MAX TEMP 74
69			2			27	24	2		22			MAX TEMP 74
70			2			27	24	2		22			MAX TEMP 74
71			2			27	24	2		22			MAX TEMP 74
72			2			27	24	2		22			MAX TEMP 74
73			2			27	24	2		22			MAX TEMP 74
74			2			27	24	2		22			MAX TEMP 74
75			2			27	24	2		22			MAX TEMP 74
76			2			27	24	2		22			MAX TEMP 74
77			2			27	24	2		22			MAX TEMP 74
78			2			27	24	2		22			MAX TEMP 74
79			2			27	24	2		22			MAX TEMP 74
80			2			27	24	2		22			MAX TEMP 74
81			2			27	24	2		22			MAX TEMP 74
82			2			27	24	2		22			MAX TEMP 74
83			2			27	24	2		22			MAX TEMP 74
84			2			27	24	2		22			MAX TEMP 74
85			2			27	24	2		22			MAX TEMP 74
86			2			27	24	2		22			MAX TEMP 74
87			2			27	24	2		22			MAX TEMP 74
88			2			27	24	2		22			MAX TEMP 74
89			2			27	24	2		22			MAX TEMP 74
90			2			27	24	2		22			MAX TEMP 74
91			2			27	24	2		22			MAX TEMP 74
92			2			27	24	2		22			MAX TEMP 74
93			2			27	24	2		22			MAX TEMP 74
94			2			27	24	2		22			MAX TEMP 74
95			2			27	24	2		22			MAX TEMP 74
96			2			27	24	2		22			MAX TEMP 74
97			2			27	24	2		22			MAX TEMP 74
98			2			27	24	2		22			MAX TEMP 74
99			2			27	24	2		22			MAX TEMP 74
100			2			27	24	2		22			MAX TEMP 74
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
101	COX FOUNTAIN, CA	6-7

11-1-53

[illegible]

SMOS

EXTREME VALUES

FROM DAILY OBSERVATIONS)

7.

STATION NAME

YEARS

IF DEERES EMBELLISH
/CAVE ON LEES THE FULL MOUNTAIN/

[illegible]

SMOS

PSYCHROMETRIC SUMMARY

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

14718 2097 54321

NAVWEASERVCOM

[illegible]

147th 2007 54371

MONTH

WET BULB TEMPERATURE DEPRESSION (F)

NAVWEASERVCOM

12885 4602 H/70

STATION

STATION NAME

— **VELOS**

MONTH

1.

1

WET BULB TEMPERATURE DEPRESSION (E)

1

TOTAL

1925

	TOTAL
--	-------

	TOTAL
--	-------

	TOTAL
--	-------

MOORE, J. C. & J.

Mean No. of Hours with Temperature

No. Obs.

x

$$\frac{\Delta}{\Delta}$$

21 X

$$\frac{2}{21}x$$

Element (X)

Element (X)

Element (X)

Element (X)

Element (X)

1

Temperature

ours wi

an No.

1

1

F

PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

MONTH

Tempo

WET BULB TEMPERATURE DEPRESSION (F)

TOTAL

TOTAL		Net Bulb	Dew Point
1	100	100	100
2	100	100	100
3	100	100	100
4	100	100	100
5	100	100	100
6	100	100	100
7	100	100	100
8	100	100	100
9	100	100	100
10	100	100	100
11	100	100	100
12	100	100	100
13	100	100	100
14	100	100	100
15	100	100	100
16	100	100	100
17	100	100	100
18	100	100	100
19	100	100	100
20	100	100	100
21	100	100	100
22	100	100	100
23	100	100	100
24	100	100	100
25	100	100	100
26	100	100	100
27	100	100	100
28	100	100	100
29	100	100	100
30	100	100	100
31	100	100	100
32	100	100	100
33	100	100	100
34	100	100	100
35	100	100	100
36	100	100	100
37	100	100	100
38	100	100	100
39	100	100	100
40	100	100	100
41	100	100	100
42	100	100	100
43	100	100	100
44	100	100	100
45	100	100	100
46	100	100	100
47	100	100	100
48	100	100	100
49	100	100	100
50	100	100	100
51	100	100	100
52	100	100	100
53	100	100	100
54	100	100	100
55	100	100	100
56	100	100	100
57	100	100	100
58	100	100	100
59	100	100	100
60	100	100	100
61	100	100	100
62	100	100	100
63	100	100	100
64	100	100	100
65	100	100	100
66	100	100	100
67	100	100	100
68	100	100	100
69	100	100	100
70	100	100	100
71	100	100	100
72	100	100	100
73	100	100	100
74	100	100	100
75	100	100	100
76	100	100	100
77	100	100	100
78	100	100	100
79	100	100	100
80	100	100	100
81	100	100	100
82	100	100	100
83	100	100	100
84	100	100	100
85	100	100	100
86	100	100	100
87	100	100	100
88	100	100	100
89	100	100	100
90	100	100	100
91	100	100	100
92	100	100	100
93	100	100	100
94	100	100	100
95	100	100	100
96	100	100	100
97	100	1	

HOURS (15 Y)

NAVWEASERVCOM

[illegible]

MONTH

MOORE / \$ Y 1

[illegible]

125.5 - 20.7 4/20

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

[illegible]

NAVWEASERVCOM

12895-1602 4/201

MONTH

HOURS (L S T)

NAVWEASERVCOM

MONTH

MOUSE (1 E Y)

[illegible]

NAVWEASERVCOM

1678 2097 54321

MONTH

HOURS (L S Y)

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

MONTH

HOURS (L S Y)

[illegible]

NAVWEASERVCOM

1478 2(9)7 54321

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

[illegible]

MEANS AND STANDARD DEVIATIONS

CONFIDENTIAL - SECURITY INFORMATION

[illegible]

MEANS AND STANDARD DEVIATIONS

100-443887-100

STATION	STATION NAME	YEARS												
		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
HRS./1 ST.	MEAN	1.0	4.0	46.6	47.3	1.0	57.2	57.6	61.4	57.4	52.6	4.1	4.7	57.7
	S. D.	7.0	6.1	4.0	4.4	1.6	3.3	3.5	3.0	4.6	6.2	5.3	6.4	8.1
	TOTAL OBS	17	17	17	17	17	23	23	23	23	23	43	43	27
	MEAN	14.0	47.0	44.1	45.0	47.0	57.7	57.4	61.5	57.4	51.4	44.0	38.7	47.5
	S. D.	7.0	6.0	5.3	5.4	4.6	3.5	3.2	3.0	4.6	6.8	5.0	6.7	9.0
	TOTAL OBS	17	17	17	17	17	23	23	23	23	23	43	43	27
	MEAN	1.1	47.2	45.4	46.2	44.4	50.0	52.1	57.3	51.1	51.0	46.9	47.0	52.4
	S. D.	1.3	6.7	5.4	4.3	3.3	2.3	2.7	3.7	4.6	5.7	6.0	7.6	9.0
	TOTAL OBS	17	17	17	17	17	23	23	23	23	23	43	43	27
	MEAN	1.1	51.6	53.7	54.0	5.0	61.0	65.2	67.4	65.2	60.2	55.5	49.2	57.1
	S. D.	1.0	3.0	3.7	3.5	1.2	3.4	3.7	2.9	2.9	2.3	2.1	2.7	7.2
	TOTAL OBS	17	17	17	17	17	23	23	23	23	23	43	43	27
	MEAN	1.0	56.0	56.7	56.3	50.0	62.7	66.9	60.1	66.3	62.0	50.4	57.0	61.0
	S. D.	1.0	3.0	4.1	3.7	1.2	3.4	3.6	2.7	3.1	3.4	3.7	4.0	5.0
	TOTAL OBS	17	17	17	17	17	23	23	23	23	23	43	43	27
	MEAN	3.0	34.0	36.3	35.5	30.0	42.0	45.0	67.3	45.5	61.5	57.0	53.4	50.1
	S. D.	1.0	2.0	3.0	3.0	1.0	3.0	3.0	2.3	2.7	3.1	2.6	5.1	5.0
	TOTAL OBS	17	17	17	17	17	23	23	23	23	23	43	43	27
	MEAN	1.1	51.1	51.0	52.7	50.4	61.3	63.6	64.7	62.2	59.0	57.0	47.7	54.0
	S. D.	1.0	3.0	3.4	3.2	1.0	2.1	2.1	2.0	2.0	1.0	1.0	5.0	6.0
	TOTAL OBS	17	17	17	17	17	23	23	23	23	23	43	43	27
	MEAN	1.0	4.1	47.0	48.0	40.0	57.0	61.0	61.0	57.0	54.7	5.0	42.3	51.0
	S. D.	1.0	4.0	3.0	3.0	2.0	1.0	2.0	2.0	2.0	2.0	4.0	4.0	7.0
	TOTAL OBS	17	17	17	17	17	23	23	23	23	23	43	43	27
ALL HOURS	MEAN	1.0	47.0	51.0	53.2	57.6	61.0	64.0	65.9	63.1	57.6	50.0	47.0	50.7
	S. D.	1.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	TOTAL OBS	17	17	17	17	17	23	23	23	23	23	43	43	27

MEANS AND STANDARD DEVIATIONS

DE-CONTAMINANT PATENTS SEC F FROM HOURLY OBSERVATIONS

2-5

STATION	STATION NAME	YEARS												
		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	HRS.(L.S.T.)													
	MEAN	40.7	40.7	41.4	46.7	52.7	56.8	59.4	61.3	53.0	49.7	45.9	36.2	48.1
	S. D.	5.79	7.63	5.27	5.04	3.77	4.72	1.97	3.46	8.95	9.24	7.42	8.23	9.57
	TOTAL OBS	13	61	7	7	11	22	22	22	56	87	49	62	527
	HRS.(L.S.T.)													
	MEAN	30.7	30.7	43.1	44.9	51.7	57.5	59.2	59.0	52.9	48.7	43.5	35.1	47.7
	S. D.	10.69	8.62	5.47	5.67	4.91	4.22	2.39	4.05	9.48	9.39	7.06	9.91	10.36
	TOTAL OBS	1	60	14	69	1	16	24	53	56	82	49	48	352
	HRS.(L.S.T.)													
	MEAN	7.7	47.1	43.7	45.9	50.2	51.1	6.4	61.5	57.6	47.4	47.6	37.7	49.8
	S. D.	10.41	1.23	6.27	5.16	4.13	2.96	2.96	2.96	4.25	7.35	7.91	9.57	11.01
	TOTAL OBS	11	141	143	151	132	142	209	271	213	200	159	153	2157
	HRS.(L.S.T.)													
	MEAN	20.7	45.2	49.1	49.3	54.7	57.7	62.1	63.7	59.7	52.3	46.9	41.2	52.1
	S. D.	7.78	7.87	6.76	5.61	3.97	3.65	2.19	4.95	6.34	9.27	9.39	9.86	10.23
	TOTAL OBS	1	123	21	60	20	279	220	253	233	236	215	215	269
	HRS.(L.S.T.)													
	MEAN	45.7	48.7	47.9	49.4	54.4	57.8	62.1	67.1	65.4	54.2	49.7	44.4	53.6
	S. D.	11.13	7.73	6.80	5.62	4.22	4.46	3.35	4.54	6.71	8.35	7.26	10.56	9.47
	TOTAL OBS	213	166	218	27	207	110	232	251	229	233	200	200	2608
	HRS.(L.S.T.)													
	MEAN	40.7	46.4	46.9	49.1	54.6	57.6	61.3	62.7	6.5	55.4	51.7	46.2	53.4
	S. D.	9.91	7.32	6.03	5.60	3.63	3.43	3.24	4.22	6.18	7.59	8.91	9.67	8.67
	TOTAL OBS	91	105	210	253	127	200	105	183	173	190	205	122	2351
	HRS.(L.S.T.)													
	MEAN	47.4	45.5	47.3	49.5	57.7	57.7	60.2	67.1	57.9	54.3	49.3	44.5	52.9
	S. D.	1.77	7.45	5.01	6.16	2.82	2.49	2.74	3.72	7.61	8.67	9.10	7.84	8.79
	TOTAL OBS	1	13	53	63	43	58	79	74	74	100	61	62	810
	HRS.(L.S.T.)													
	MEAN	40.7	43.4	43.6	46.9	52.2	57.4	59.6	60.7	54.9	51.9	45.2	38.5	49.2
	S. D.	7.21	6.93	4.12	5.22	3.57	2.32	2.15	3.13	7.39	5.22	7.13	7.87	9.31
	TOTAL OBS	4	18	14	11	13	5	22	32	53	77	44	43	471
ALL HOURS	HRS.(L.S.T.)													
	MEAN	40.1	40.2	47.5	48.8	53.7	57.4	61.3	62.3	57.6	52.7	47.8	41.9	51.9
	S. D.	9.00	8.60	6.75	5.73	4.07	3.70	1.22	4.31	7.56	8.62	8.32	11.27	9.97
	TOTAL OBS	112	46	69	297	97	912	1012	128	1080	1210	890	679	1127

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION NAME ASHEVILLE, NC PERIOD 1-1-75 MONTH JAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1	00	100.0	100.0	100.0	100.0	99.1	94.2	92.3	91.1	89.6	88.1	53
1	01	100.0	100.0	100.0	100.0	99.1	94.2	92.3	91.1	89.6	88.1	50
1	02	100.0	100.0	99.9	99.9	91.7	85.1	75.6	67.7	62.2	51.6	161
1	03	100.0	7.1	24.7	52.7	71.2	85.6	94.1	99.3	100.0	100.0	207
1	04	100.0	25.0	69.3	97.7	100.0	100.0	100.0	100.0	100.0	100.0	213
1	05	100.0	8.1	91.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
1	06	100.0	100.0	97.1	95.7	86.9	85.7	72.9	55.7	34.3	76.6	70
1	07	100.0	100.0	97.0	97.9	97.0	95.7	87.2	76.6	57.4	97.0	47
TOTALS		100.0	82.9	66.7	51.6	35.7	79.4	63.9	35.2	34.0	76.7	1012

...

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
SEP.		100.0	100.0	100.0	7.9	27.9	68.0	85.0	77.3	68.0	36.7	61
		100.0	100.0	100.0	5.0	22.0	60.0	70.0	85.0	66.0	87.1	41
		100.0	100.0	97.2	56.5	82.9	87.9	88.1	72.3	46.2	93.6	141
		100.0	97.4	94.6	68.1	77.7	64.6	41.6	26.0	4.7	65.1	123
	1	100.0	93.4	91.7	75.7	74.6	61.7	36.7	16.2	4.1	61.7	146
	2	99.5	96.4	92.2	82.7	81.0	70.6	40.6	17.9	3.1	65.2	185
	3	100.0	100.0	85.2	93.7	90.0	84.1	68.2	36.5	7.9	73.5	63
	4	100.0	100.0	100.0	100.0	97.4	94.7	86.6	65.8	27.9	62.6	33
TOTALS		65.0	100.7	96.4	63.0	86.1	80.2	67.3	41.0	17.1	75.2	912

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
11	107.0	100.0	100.0	100.0	100.0	100.0	100.0	99.1	99.1	6.5	90.4	52	
	107.0	100.0	100.0	100.0	100.0	100.0	100.0	96.2	96.2	11.1	93.3	53	
	108.0	100.0	100.0	100.0	99.6	98.8	97.8	93.7	91.8	47.2	87.8	143	
	108.0	99.0	96.2	91.9	87.0	82.2	72.2	43.3	19.0	6.2	66.2	210	
	108.5	97.7	95.0	91.2	86.3	86.1	66.1	34.4	10.1	2.2	63.8	210	
	109.0	99.5	97.1	93.2	88.7	86.7	67.1	42.3	12.0	7.2	61.2	210	
	109.0	100.0	99.2	98.2	93.0	93.0	85.1	71.9	42.4	11.0	75.8	89	
	109.0	100.0	100.0	100.0	96.6	96.6	96.6	93.1	76.2	40.3	86.8	29	
TOTALS	60.0	99.0	98.4	96.3	92.3	92.3	80.0	71.0	51.0	17.1	70.2	692	

MONTH

PERIOD

TOTALS

STATION	STATION NAME	PERIOD	MONTH	YEAR
1	1	1	1	1

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN.	01	100.0	100.0	100.0	100.0	100.0	100.0	99.9	99.9	99.9	97.7	11
	02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.5	71
	03	100.0	100.0	100.0	100.0	99.4	97.7	95.2	69.2	26.6	11.9	12
	04	100.0	100.0	99.5	93.1	64.7	72.1	92.3	15.0	7.4	68.7	10
FEB.	01	100.0	99.5	99.0	7.6	91.7	61.6	12.1	6.2	9.0	64.2	57
	02	100.0	100.0	99.7	7.2	93.0	6.7	41.7	10.0	0	4.1	107
	03	100.0	100.0	100.0	100.0	97.7	97.9	91.7	1.0	4.0	70.1	60
	04	100.0	100.0	100.0	100.0	100.0	100.0	92.3	61.7	16.4	21.7	13
TOTALS		100.0	100.0	100.0	19.1	77.0	9.7	10.7	41.2	16.3	77.0	7

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
J	1	80.0	100.0	100.0	100.0	100.0	95.7	91.3	7.0	0.0	7.0	23
F	1	80.0	100.0	100.0	100.0	100.0	100.0	96.0	92.3	31.0	91.0	30
M	1	80.0	100.0	100.0	100.0	99.5	99.0	96.2	73.0	27.4	65.2	112
A	1	80.0	99.0	99.0	97.1	95.7	79.4	46.0	20.1	0.0	67.7	210
M	17	80.0	99.0	97.6	96.0	91.0	72.4	30.7	1.0	0.0	67.5	210
J	1	100.0	100.0	96.3	93.0	84.0	72.7	45.0	12.0	0.0	65.7	210
J	17	100.0	100.0	100.0	100.0	100.0	100.0	8.6	41.4		70.0	68
A	2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0		56.8	1
TOTALS		0	100.0	100.0	93.4	87.3	1.0	75.1	10.0	17.0	79.0	910

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION NAME: ASHEVILLE, NORTH CAROLINA PERIOD: 1957 MONTH: JUL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	01	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.0	87.0	92.3	23
	02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	91.7	83.2	84.3	24
	03	100.0	100.0	100.0	100.0	100.0	99.0	97.0	76.1	18.2	45.1	200
	04	100.0	100.0	99.6	97.4	91.0	75.0	37.3	19.7	3.1	60.0	238
	05	100.0	99.6	99.1	96.6	87.0	64.2	27.2	15.1	2.2	64.7	272
	06	100.0	99.5	99.5	96.4	92.0	76.9	32.7	11.0		83.3	199
	07	100.0	100.0	100.0	100.0	98.0	89.9	64.3	33.2	1.2	77.8	75
	08	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.5	18.2	64.0	32
	09											
	10											
	11											
	12											
	13											
	14											
	15											
	16											
	17											
	18											
	19											
	20											
	21											
	22											
	23											
	24											
	25											
	26											
	27											
	28											
	29											
	30											
	31											
TOTALS		100.0	99.9	99.7	95.0	90.0	71.1	70.7	56.1	17.0	70.0	1012

10

PERCENTAGE FREQUENCY OF
(FROM HOURLY OBSERVATIONS)

TOTALS

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	1	88.0	78.2	62.0	42.3	31.1	25.7	22.4	17.0	79.3	55	
	6	85.0	70.2	55.0	44.6	39.7	37.5	35.7	31.0	79.2	56	
	11	69.5	56.5	46.1	37.7	34.0	33.0	32.4	26.0	52.8	215	
	17	59.6	48.3	37.1	31.3	26.7	26.3	37.0	17.6	64.4	273	
	17	63.7	53.6	39.0	32.1	27.0	32.6	31.4	14.0	61.5	220	
	1	69.4	56.0	42.0	33.0	33.6	36.9	42.0	16.0	55.1	173	
	1	62.6	49.6	37.0	30.5	24.1	32.0	31.1	43.2	73.6	74	
	12	60.1	49.1	36.1	30.0	26.0	31.1	70.0	14.2	76.5	53	
TOTALS		62.0	47.0	36.0	33.0	33.0	33.4	65.8	44.5	72.0	1009	

RELATIVE HUMIDITY

100

4-7

١٥٠

STATION

STATION NAME

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
PT	51	100.0	98.8	98.0	96.4	94.0	90.4	85.2	72.3	37.6	23.6	21
	60	100.0	100.0	97.6	97.6	93.9	92.7	87.8	72.0	41.8	84.1	22
	7	100.0	97.1	94.3	91.9	87.1	82.3	74.6	58.9	24.9	76.9	259
	12	99.7	92.4	85.6	78.8	71.3	53.4	28.8	11.2	3.4	57.8	236
	17	90.1	83.6	88.7	90.7	70.0	64.2	22.2	3.6	.9	56.2	233
	18	100.0	94.7	90.8	88.4	80.7	66.3	42.7	13.2	1.1	63.2	100
	19	92.8	87.0	96.0	94.0	88.0	87.0	63.0	50.2	11.0	77.5	100
	20	100.0	99.7	97.4	96.1	94.0	91.9	89.7	74.0	26.0	82.0	77
TOTALS		99.6	96.5	92.0	88.8	88.1	75.0	64.0	46.0	18.4	72.7	1010

STATION NAME ASHEVILLE, NC PERIOD 6-7 MONTH NOV

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
6	5	100.0	100.0	97.0	85.0	65.0	41.0	25.7	15.5	8.1	86.4	40
6	10	100.0	100.0	97.0	88.0	61.0	35.2	25.7	11.5	6.2	86.5	40
6	15	100.0	99.1	96.0	87.7	61.2	37.4	25.0	15.5	8.3	83.2	119
6	20	96.5	94.0	86.2	72.0	63.7	51.2	29.9	19.7	6.2	86.8	210
6	25	93.0	84.2	77.2	73.0	59.0	49.0	25.0	12.5	2.0	84.6	200
6	30	100.0	95.1	88.0	79.0	74.0	60.4	40.0	21.5	6.4	82.0	211
6	35	100.0	100.0	92.4	81.0	62.0	70.7	70.0	50.0	10.0	79.1	11
6	40	100.0	100.0	100.0	100.0	100.0	98.6	88.0	70.5	30.0	84.1	44
TOTALS		99.0	97.8	93.7	83.4	62.0	74.2	63.0	50.0	27.0	73.5	991

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
NOV	11	100.0	100.0	100.0	100.0	93.0	89.6	77.9	66.7	36.4	81.1	49
	12	100.0	100.0	97.9	97.0	93.7	85.4	77.1	66.7	43.8	91.3	48
	13	100.0	100.0	98.7	97.4	94.1	87.2	72.4	69.9	43.9	83.7	153
	14	100.0	98.1	89.8	76.3	65.6	54.9	25.8	20.0	15.2	69.6	219
	15	99.5	93.9	92.7	66.3	59.6	42.3	25.7	12.5	5.3	54.6	209
	16	100.0	8.5	90.6	90.7	71.9	55.9	42.6	18.3	5.0	61.8	272
	17	100.0	100.0	98.4	99.4	98.7	79.0	67.4	43.4	17.7	75.4	62
	18	100.0	97.7	97.7	97.7	97.7	86.4	69.8	51.8	32.6	79.7	43
TOTALS		15.0	34.3	64.5	69.5	63.1	73.2	57.4	44.8	24.3	72.2	979

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

RELATIVE HUMIDITY

STATION NAME: ASHEVILLE, NC PERIOD: 10-73 MONTH: ALL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	0000	92.9	83.9	66.7	51.9	35.9	19.4	6.9	5.2	34.0	76.7	1012
FEB	0000	89.0	72.7	56.4	43.2	28.1	14.9	6.7	49.5	27.1	75.9	924
MAR	0000	69.9	49.5	39.4	26.2	12.9	6.6	11.9	56.1	17.1	79.2	993
APR	0000	100.0	92.2	85.9	65.7	51.1	36.7	24.2	43.5	27.7	76.1	927
MAY	0000	100.0	99.9	99.9	99.1	97.2	93.7	72.7	46.3	16.6	77.8	927
JUN	0000	99.0	99.9	99.5	98.9	97.6	91.9	75.9	51.9	17.7	79.6	912
JUL	0000	100.0	99.9	99.7	98.9	96.9	93.1	72.7	56.1	12.9	79.3	1012
AUG	0000	100.0	99.9	99.1	98.7	96.2	87.1	72.1	57.9	13.9	79.2	1189
SEP	0000	96.9	97.4	96.2	93.9	89.2	78.4	65.6	44.5	19.9	73.0	1089
OCT	0000	99.6	99.5	93.5	80.5	65.1	45.9	34.6	46.2	13.4	72.7	1213
NOV	0000	99.9	97.8	93.7	88.4	82.9	74.2	63.9	51.9	29.9	73.9	990
DEC	0000	99.0	96.9	94.5	89.5	82.1	73.2	59.4	44.9	24.3	72.2	979
TOTALS		97.7	98.9	97.1	94.5	90.9	82.9	69.2	57.7	22.4	76.1	12127

3 PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION: LITTLE ROCK, ARK. YEAR: 1970 MONTH: JANUARY

HOURLY DATA

WIND DIRECTION

TEMP.	NNE & N	NNW & N	ESE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122-											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	7	3.3		3.3			10.7				.7
77 TO 81	1	1	2.5	2.5	2.4	2.4	5.9		23.5	17	1.7
72 TO 76	5	7.5	4.5	4.5	14.3	3.1	9.5	4.5	4.8	31	3.1
67 TO 71	1.5	7.5	5	7.5	36.4	15.2	21.2	3.5	12.1	33	3.3
62 TO 66	2.5	1.5	3	3	10.7	29.7	23.4	5.4	18.9	111	11.1
57 TO 61	3.1	4.5	1.5	1.7	15.5	15.7	29.6	6.5	18.1	27	2.7
52 TO 56	3.5	15.5	12.5	6.4	7.3	8.1	12.9	4.4	32.7	249	24.9
47 TO 51	3.5	15.5	12.7	3.2	7	7	7	2.2	40.3	134	13.4
42 TO 46	3.5	15.5	15.5				1.5	1.6	61.9	63	6.3
37 TO 41	5.5	18.5	12.5						64	67	6.7
32 TO 36		5.5	3.5	5.5					7.1	7	.7
27 TO 31					2.5				2.5	2	.2
22 TO 26									1.5	1	.1
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO 4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
-68 TO -64											
-73 TO -69											
-78 TO -74											
-83 TO -79											
TOTALS	.4	11.1	.5	2.5	2.5	11.1	15.5	4.5	33.7	1119	11.9

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION: 11000 4432-11021

DATE: 11/1/77

TIME: 0000

YEAR: 1977

MONTH: 11

HOURS: 0000

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76	0.0	5.0			2.0	23.0	42.0	1.0	16.0	7	0.7
67 TO 71	0.1	0.2	12.2		5.0	16.3	22.4	6.1	12.2	4	0.4
62 TO 66	1.0	4.2		1.0	12.0	25.7	26.9	9.6	1.0	167	17.6
57 TO 61	0.0	3.7	3.3	1.1	15.1	15.5	2.0	1.3	17.2	271	28.6
52 TO 56	0.0	4.4	3.2	2.0	2.2	1.7	17.3	4.6	44.5	173	18.2
47 TO 51	7.0	15.6	7.2	5.0	6.3		4.6	2.0	4.0	1.0	11.5
42 TO 46	13.0	1.0	11.1		1.0			1.0	55.1	47	7.7
37 TO 41	0.0	3.9	7.8						0.0	1	5.4
32 TO 36									0.0	2	2.4
27 TO 31	1.0								0.0	6	0.7
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
TOTALS	6.3	6.0	6.3	1.7	16.0	12.0	17.6	6.0	73.2	247	100.0

vs.

WIND DIRECTION

[illegible]

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION: 1400 4430-5422

DATE: 11/10/61

TIME: 0800

MOON: 1.77

WIND DIRECTION

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
120										
110 TO 120										
100 TO 110										
90 TO 100										
80 TO 90										
70 TO 80										
60 TO 70										
50 TO 60										
40 TO 50										
30 TO 40										
20 TO 30										
10 TO 20										
0 TO 10										
TOTALS	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION: 107 107 000 000 1 7

YEAR

MONTH

DAY

WIND DIRECTION

TEMP.	NW & N	NE & E	SE & S	SW & W	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
120									
121									
122									
123									
124									
125									
126									
127									
128									
129									
130									
131									
132									
133									
134									
135									
136									
137									
138									
139									
140									
141									
142									
143									
144									
145									
146									
147									
148									
149									
150									
151									
152									
153									
154									
155									
156									
157									
158									
159									
160									
161									
162									
163									
164									
165									
166									
167									
168									
169									
170									
171									
172									
173									
174									
175									
176									
177									
178									
179									
180									
181									
182									
183									
184									
185									
186									
187									
188									
189									
190									
191									
192									
193									
194									
195									
196									
197									
198									
199									
200									
TOTALS	1.	2.1	2.	17.	32.3	3.1	1.	57.	100.

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION: LETO YEAR: 1957 MONTH: 1

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESE & SE	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										
41										
42										
43										
44										
45										
46										
47										
48										
49										
50										
51										
52										
53										
54										
55										
56										
57										
58										
59										
60										
61										
62										
63										
64										
65										
66										
67										
68										
69										
70										
71										
72										
73										
74										
75										
76										
77										
78										
79										
80										
81										
82										
83										
84										
85										
86										
87										
88										
89										
90										
91										
92										
93										
94										
95										
96										
97										
98										
99										
100										
TOTALS	5	2	1	1	10	20	10	1	50	50

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

vs.

WIND DIRECTION

[illegible]

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION

DATE

TIME

WIND DIRECTION

TEMP.	NNW & NW	NNE & NE	ESE & E	ENE & E	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122											
117 TO 122											
112 TO 117											
107 TO 112											
102 TO 107											
97 TO 102											
92 TO 97											
87 TO 92											
82 TO 87											
77 TO 82											
72 TO 77											
67 TO 72											
62 TO 67											
57 TO 62											
52 TO 57											
47 TO 52											
42 TO 47											
37 TO 42											
32 TO 37											
27 TO 32											
22 TO 27											
17 TO 22											
12 TO 17											
7 TO 12											
2 TO 7											
-3 TO 2											
-8 TO -3											
-13 TO -8											
-18 TO -13											
-23 TO -18											
-28 TO -23											
-33 TO -28											
-38 TO -33											
-43 TO -38											
-48 TO -43											
-53 TO -48											
-58 TO -53											
-63 TO -58											
TOTALS	1.7	1.0	.6	1.7	11.2	2.0	2.0	1.0	5.0	1.0	1.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION L 1200, A DATE 12 13 60 CALM 1 77

TIME

MOON

REMARKS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122											
112 TO 121											
112 TO 116											
102 TO 111											
102 TO 106				3.0		16.7					
97 TO 101	1.0	12.0		37.0	12.0		21.0				
92 TO 96		.7	.7	10.7	13.3	4.0				1	1.4
87 TO 91				4.0	1.0	24.0	52.0	4.0			5.3
82 TO 86	.0	4.1	2.0		32.4	30.3	20.0	2.0			5.5
77 TO 81			4.0		15.2	47.0	73.3	1.0	1.0	1.0	3.6
72 TO 76			2.4	1.4	17.2	22.2	42.1	1.0	3.8	2.0	14.2
67 TO 71		1.0	1.0	.0	16.3	20.2	4.7	3.1	14.7	31.0	25.7
62 TO 66	.3	.7	.7	5.7	9.1	12.6	1.9	1.3	20.7	21	21.1
57 TO 61	1.4	17.0	13.0	2.0	4.4	2.2	1.1		42.2		5.0
52 TO 56	.0	27.3	30.3						7.4	73	7.0
47 TO 51	.0	12.0	0.0					3.0	21.0	17	0.3
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
12 TO -9											
-16 TO -14											
-23 TO -19											
-26 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
TOTALS	1.0	.3	.0	2.0	17.0	5.0	20.0	5.1	1.4	100	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION NAME: STATION 106- C R F YEAR: 1975 MONTH: 09 HOUR: 1500

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96		7.1	14.3		7.1	20.6	20.6	7.1	7.1	14	1.2
87 TO 91			5.3	5.3	15.8	6.3	47.9		15.8	16	1.3
82 TO 86		2.7	10.0		10.0	15.7	37.5	7.0	15.7	8	0.7
77 TO 81	1.0	3.0			11.3	2.4	37.7	7.0	15.1	77	6.4
72 TO 76	7.4	2.7	2.7	0.9	9.1	20.8	46.4	5.5	5.1	11	0.9
67 TO 71	1.0	2.3	2.0	1.7	10.9	19.9	47.1	6.6	7.6	72	6.1
62 TO 66	2.0	4.3	5.3	2.0	7.1	9.5	30.0	7.9	27.7	27	2.1
57 TO 61	5.6	11.9	14.7	2.9	4.5	3.4	6.8	2.0	47.5	177	14.7
52 TO 56	5.4	10.7	17.4	2.0	2.0	1.7	0.9		5.7	121	1.0
47 TO 51	1.0	5.1	15.9	1.3			2.0		75.9	70	5.6
42 TO 46	2.0	3.6	10.3	2.4					1.0	35	2.6
37 TO 41			5.0						0.0	0	0.0
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	0	5.0	5.4	2.0	7.0	11.4	27.4	4.0	7.6	130	10.0

STACY

100

25

9.4.5. $P_0 = 0$

140. B. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839,

WIND DIRECTION											
TEMP.	WNO & N	ENE & NE	ESE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96		0.0									.1
87 TO 91		25.	25.	25.	25.	25.	25.	25.	25.	25.	.4
82 TO 86	1.0	6.3	12.5	6.3	1.3	6.3	31.3	1.3	.3	14	1.6
77 TO 81	.5	13.2	5.3		14.4	23.7	24.9		.3	38	3.1
72 TO 76	2.1	10.0	2.5	1.0	13.0	27.5	21.3	.3	12.6	1	0.1
67 TO 71	7.2	5.1	5.8	2.0	11.6	24.6	3.4	3.7	9.1	133	13.5
62 TO 66	1.7	2.0	6.3		12.6	17.6	12.4	1.5	14.7	223	24.
57 TO 61	3.4	7.	9.4	5.7	10.3	11.3	15.3	6.4	5.0	233	24.5
52 TO 56	7.2	6.2	16.6	9.3	1.2	1.	3.1	2.1	41.2	57	9.2
47 TO 51	0.1	6.6	12.5	0.1	1.4				4.2	74	7.5
42 TO 46	1.4	6.9	7.0	1.0	1.4	2.1		0.1	73.2	71	7.3
37 TO 41	6.5	16.0							0.1	2	2.5
32 TO 36									0.1		0.
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	3.2	6.	7.0	3.6	0.	13.6	19.7	1.4	29.1	59	13.5

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION NAME: APT. WINDLEYTON, A. DATE: 19 OCT 19 6-00 G.M.S.T. 1975 07 083E

STATION

STATION NAME

YEAR

MONTH

HOURS L.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122°											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86						10.6	50.0				0.2
77 TO 81		7.1	7.1	7.1	25.6	25.6	14.3		7.1	14	1.4
72 TO 76	7.0	12.1	3.0	6.1	14.2	33.3	13.2		6.1	33	3.4
67 TO 71	3.4	6.6	5.2	1.7	25.9	22.4	15.5		17.2	5	5.9
62 TO 66	4.3	3.6	2.1	1.4	22.6	20.0	21.4	5.7	6.6	14	14.3
57 TO 61	5.1	4.7	1.3	2.5	12.6	17.8	26.5	7.9	17.3	214	21.9
52 TO 56	7.6	12.2	7.4	2.6	4.8	7.4	13.8	6.3	37.6	193	19.3
47 TO 51	7.6	18.6	7.6	2.6	6.6	1.7	5.1	2.6	53.4	115	12.1
42 TO 46	5.3	20.0	13.8	5.7	1.3	1.3	1.3	1.3	50.0	60	6.7
37 TO 41	13.4	6.0	1.7	1.7	1.5	1.5	1.5	4.5	64.2	67	6.9
32 TO 36	5.5	7.3	2.1				1.6		76.4	15	5.6
27 TO 31	6.2								50.1	7	7
22 TO 26									10.0	1	0.1
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
50 K LOP											
TOTALS	7.3	10.6	5.6	2.6	6.6	13.6	14.7	4.5	53.3	876	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

STATION

DATE

TIME

YEAR

MONTH

HOUR

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
112 TO 121											
112 TO 116											
107 TO 111											
102 TO 106	1.7	1.7		1.7		13.3	16.7	1.7			
97 TO 101	7.1	7.1	1.4	14.7	21.4	21.4	21.4	7.1		1.7	.1
92 TO 96	1.7	1.7	1.7	17.4	21.7	21.7	21.7	2.2	2.2	4.6	.4
87 TO 91	2.2	2.2	2.2	4.6	10.1	32.3	35.4	5.1	7.1	7.6	.3
82 TO 86	1.7	2.2	3.0	2.2	16.7	33.5	33.8	3.6	1.3	26.7	2.2
77 TO 81	1.1	1.4	1.7	1.3	16.6	33.4	32.4	1.3	4.6	63.2	5.2
72 TO 76	1.1	2.1	1.4	1.1	14.1	30.3	34.2	2.7	4.9	131.7	1.9
67 TO 71	2.2	2.2	2.7	1.3	13.2	26.9	36.1	3.6	13.3	167.1	1.7
62 TO 66	1.1	3.2	3.2	2.0	13.5	24.1	26.8	4.3	2.1	253.4	2.1
57 TO 61	1.1	5.3	5.3	2.6	13.2	15.6	22.1	5.1	26.8	229.9	1.9
52 TO 56	1.1	10.6	10.6	3.6	7.0	7.4	11.5	3.6	41.1	126.8	1.5
47 TO 51	1.1	16.2	10.2	3.2	2.5	.9	2.9	1.7	57.2	74.9	6.2
42 TO 46	1.6	16.8	10.2	2.0	.7	.7	.7	1.1	6.1	46.7	3.9
37 TO 41	1.2	15.2	8.4	.6	.6	.6	1.1	1.1	7.8	7.4	2.2
32 TO 36	2.4	5.6	4.6	1.3			.8		3.4	1.7	1.6
27 TO 31	1.6	16.7		.6					1.2	1.7	.1
22 TO 26									1.0		
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	7.6	5.6	1.0	2.2	11.6	3.4	27.8	3.6	11.1	12.9	1.9

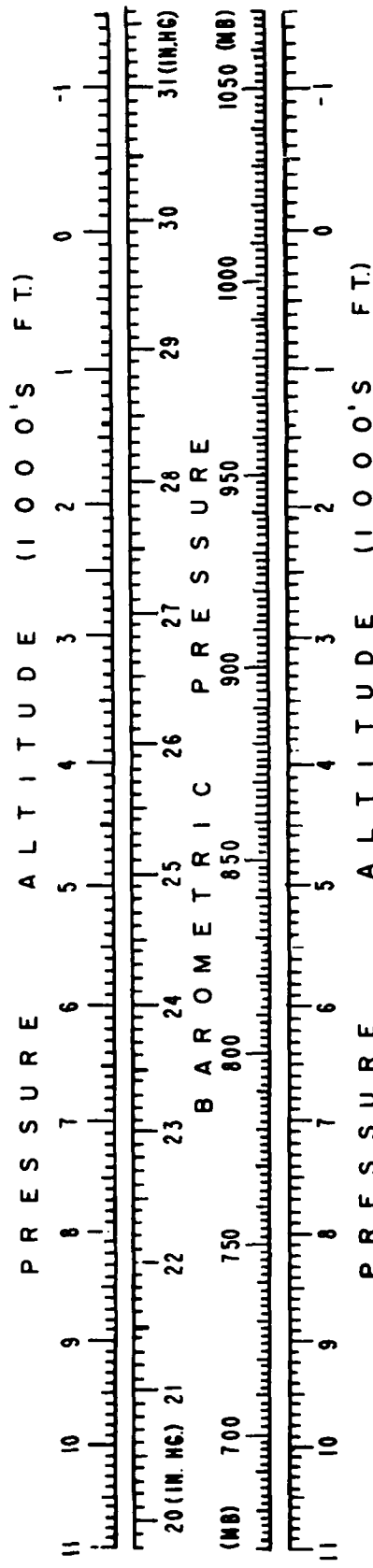
PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.

2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

THE UNIVERSITY OF CHICAGO

STATION	STATION NAME	YEARS												
		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
HRS.(L.S.T.)	MEAN	17.61	17.31	17.16	16.66	16.14	16.13	16.13	16.17	16.15	16.17	16.01	15.5	15.1
	S.D.	1.4	1.3	1.27	2.2	2.57	1.57	1.24	1.21	2.27	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	23	23	23	50	23	47	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13	16.13	16.12	16.12	16.14	16.17	16.16	16.16
	S.D.	1.4	1.3	1.27	2.13	2.6	1.55	1.24	1.21	2.23	2.42	2.34	2.35	2.16
	TOTAL OBS	4	45	45	47	47	26	24	24	50	23	49	48	
	MEAN	17.31	17.21	17.15	16.31	16.5	16.13							

MEANS AND STANDARD DEVIATIONS

SA-IL-A-8300-700H X-1 3-1-60

[illegible]

END

FILMED

4-85

DTIC